

2027 FIBERGLASS POOL BUYER'S GUIDE

Courtesy of Rainforest Pools n Composites

MANUFACTURED IN ORLANDO, FLORIDA
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INTRODUCTION 6
UNDERSTANDING FIBERGLASS POOLS 7
What Are Fiberglass Pools? 7
BENEFITS OF FIBERGLASS POOLS 10
Low Maintenance Requirements 10
Durability and Longevity 11
Smooth, Comfortable Swimming Surfaces 12
Faster Installation and Less Backyard Disruption 12
Lower Lifetime Cost of Ownership 13
Energy Efficiency and Responsible Pool Operation 15
Factory-Controlled Manufacturing 15
Integrated Features and Thoughtful Pool Designs 15
Versatility for Different Backyard Sizes 16
Customization and Beautiful Outdoor Living 17
Suitable for Warm and Cold Climates 17
Long-Term Warranty Protection 18
Enhanced Lifestyle and Potential Property Value 18
A Lifetime of Backyard Enjoyment 18
COMPARING FIBERGLASS, CONCRETE AND VINYL LINER POOLS 19
Fiberglass vs. Concrete (Gunite) Pools 19
Fiberglass vs. Vinyl Liner Pools 20
Swimming Pool Type Comparison 20
Looking Beyond the Initial Purchase Price 21
Which Swimming Pool Type Is Right for You? 22
ABOUT RAINFOREST POOLS N COMPOSITES 22
Beautiful Swimming Pools Begin with Quality Manufacturing 22
Our History and Leadership 23
Manufactured in Orlando, Florida 24
How Rainforest Fiberglass Pools Are Manufactured 25

Quality Materials Make a Difference 29
Engineering, Product Certification and Quality Control 29
Thoughtful Designs for Real Backyard Living 30
Our Independent Local Builder Network 31
Our Commitment to Homeowners 31
The Rainforest Difference 32
CHOOSING THE RIGHT SWIMMING POOL 32
Consider Your Lifestyle 32
Making the Most of Your Backyard Space 33
Choosing Your Swimming Pool Shape 33
Balancing Swimming Space and Relaxation Features 36
Planning for Years of Enjoyment 37
Finding Your Ideal Rainforest Swimming Pool 37
SMALL POOLS, COCKTAIL POOLS & PLUNGE POOLS 38
CUSTOMIZING YOUR SWIMMING POOL 38
Make Your Swimming Pool Uniquely Yours 38
Choosing Your Fiberglass Pool Color 39
Decorative Waterline Tile 39
Swimming Pool Lighting 40
Decorative Water Features 40
Coping and Pool Decking 41
Enhancing Your Pool with a Standalone Tanning Ledge 42
Adding a Fiberglass Spa 42
Accessibility and Convenience 42
Creating a Complete Outdoor Living Environment 43
Bringing Your Vision to Life 43
POOL EQUIPMENT AND ACCESSORIES 44
Pool Pumps and Circulation Systems 44
Swimming Pool Filtration Systems 44

Swimming Pool Sanitization 45
Swimming Pool Heating and Chilling 46
Automatic and Robotic Pool Cleaners 47
Swimming Pool Automation 47
Swimming Pool Covers 48
Swimming Pool Safety Equipment 48
Choosing the Right Equipment Package 49
COST CONSIDERATIONS 50
Understanding Your Swimming Pool Investment 50
How Much Does a Fiberglass Pool Cost? 50
What Influences the Cost of a Fiberglass Swimming Pool? 51
Understanding Your Complete Project Budget 53
How to Maximize Your Swimming Pool Budget 54
Understanding Long-Term Ownership Costs 56
Financing Your Swimming Pool 56
Does a Swimming Pool Increase Home Value? 57
Investing in Quality and Long-Term Enjoyment 58
PLANNING YOUR SWIMMING POOL PROJECT 58
Evaluating Your Property 59
Property Surveys, Setbacks and Easements 59
Understanding Soil and Ground Conditions 61
Groundwater and Drainage 61
Sloping Properties and Elevation Changes 62
Understanding Underground and Overhead Utilities 62
Sun Exposure, Shade and Privacy 63
Homeowners Association Requirements 63
Building Permits and Local Regulations 64
Planning for Swimming Pool Safety 65
Planning Your Pool Equipment Location 65

Planning for Future Outdoor Living Improvements 66
Swimming Pool Project Planning Checklist 66
Taking the Next Step 67
THE BUYING PROCESS 68
Connecting with a Local Pool Builder 68
Selecting Your Swimming Pool Builder 68
Your Initial Swimming Pool Consultation 69
Professional Site Evaluation 69
Finalizing Your Swimming Pool Design 69
Understanding Your Swimming Pool Proposal 70
Understanding Your Swimming Pool Contract 70
Deposits and Construction Payments 71
Understanding Changes During Construction 72
Understanding Who Is Responsible for What 72
Preparing for Construction 73
Your Final Walkthrough and Homeowner Orientation 73
From Your Vision to Reality 74
THE INSTALLATION PROCESS 74
From Our Manufacturing Facility to Your Backyard 74
How Long Does Fiberglass Pool Installation Take? 75
Discover the Installation Process 76
WARRANTY AND CUSTOMER SUPPORT 76
Confidence in Your Swimming Pool Investment 76
Understanding Your Swimming Pool Warranties 77
Ongoing Homeowner Support 77
Designed for a Lifetime of Enjoyment 77
FREQUENTLY ASKED QUESTIONS 78
Are fiberglass pools worth the investment? 78
How long do fiberglass swimming pools last? 78

Can a fiberglass pool be installed in a small backyard? 78
Can a fiberglass pool be installed if backyard access is limited? 78
Can fiberglass pools be installed in colder climates? 78
Can a fiberglass pool be partially installed above ground? 79
Can the shape or dimensions of a fiberglass pool be customized? 79
Can I add features to my swimming pool later? 79
What happens if my fiberglass pool needs a repair? 79
Do fiberglass swimming pools require resurfacing? 79
Can I purchase a swimming pool directly from Rainforest? 80
How do I get a quote for a Rainforest fiberglass swimming pool? 80
CONCLUSION AND NEXT STEPS 80
Your Dream Backyard Begins Here 80
Take the Next Step 81
A Lifetime of Backyard Enjoyment Awaits 81
HELPFUL HOMEOWNER RESOURCES 82
Explore Our Swimming Pool Collection 82
Design and Customization 82
Research and Plan Your Investment 82
Learn About Rainforest 82
Pool Ownership and Warranty Resources 82

INTRODUCTION

A swimming pool can transform your backyard into a welcoming outdoor living space—a place to relax, exercise, entertain, and create lasting memories with family and friends. Beyond the enjoyment it provides, a thoughtfully designed swimming pool can enhance your property's appearance and potentially increase its value.

When considering an inground swimming pool, homeowners typically explore three primary options: fiberglass, concrete (gunite), and vinyl liner. Each offers different advantages, but fiberglass pools have become an increasingly popular choice because of their durability, low maintenance requirements, attractive designs, and efficient installation process.

Fiberglass pools are manufactured in a controlled factory environment as a single, structurally integrated shell. Their smooth, non-porous gelcoat surfaces resist algae buildup, simplify routine maintenance, and provide a comfortable swimming experience. With proper care, a quality fiberglass swimming pool can last a lifetime.

Rainforest Pools n Composites manufactures fiberglass swimming pools in Orlando, Florida, with a commitment to quality craftsmanship, innovative designs, durability, and long-term homeowner satisfaction. Our diverse collection includes compact pools, cocktail pools, plunge pools, traditional rectangular designs, freeform pools, and models featuring integrated tanning ledges and generous seating areas. Our swimming pools are backed by a **Lifetime Structural Warranty and a 15-Year Surface Warranty**.

Whether you are beginning your research or preparing to move forward with your swimming pool project, this Buyer's Guide provides practical information to help you make confident, informed decisions.

Throughout this guide, we will explore:

- Fiberglass pool construction and manufacturing.
- Comparisons between fiberglass, concrete, and vinyl liner pools.
- The benefits of fiberglass pool ownership.
- Pool shapes, sizes, features, and customization options.
- Small pools, cocktail pools, and plunge pools.
- Initial investment and long-term ownership costs.
- Backyard planning, site preparation, and installation.
- Warranty coverage and homeowner support.
- Water chemistry, routine maintenance, and seasonal care.
- Frequently asked questions and answers.

Investing in a swimming pool is about more than adding a feature to your property. It is an investment in your lifestyle, your outdoor living environment, and the enjoyment of your home for years to come. Our goal is to help you discover the possibilities, understand the advantages of fiberglass pool ownership, and select a swimming pool that complements your home, lifestyle, and budget.

We invite you to explore our **Fiberglass Pool Models** and discover the **Benefits of Fiberglass Pools** as you begin planning your backyard transformation.

UNDERSTANDING FIBERGLASS POOLS

What Are Fiberglass Pools?

Fiberglass swimming pools offer a modern approach to inground pool construction, combining durability, attractive designs, comfortable swimming surfaces, and simplified long-term maintenance.

Unlike concrete pools, which are constructed on-site, or vinyl liner pools, which consist of a supporting structure and replaceable liner, fiberglass pools are manufactured as a complete, one-piece shell in a controlled factory environment.

The pool shell is constructed using multiple layers of fiberglass, specialized resins, and structural reinforcement materials. These materials work together to create a strong, durable structure with the inherent flexibility of fiberglass composite construction.

The interior surface, known as the gelcoat, provides the pool's distinctive color, smooth finish, and non-porous swimming surface. This finish helps resist algae adhesion, simplifies routine cleaning, and provides a comfortable swimming experience.

Depending on the selected pool model, entry steps, seating areas, benches, tanning ledges, and other features are incorporated directly into the shell during manufacturing, creating a seamless, functional design.

Once manufactured and inspected, the completed fiberglass pool shell is transported to your property, where it is professionally installed as the foundation of your new outdoor living environment.

Understanding the Anatomy of a Fiberglass Pool

Understanding the basic components of a fiberglass swimming pool helps homeowners appreciate its construction, functionality, and long-term performance.



Gelcoat Surface

The gelcoat is the visible interior finish of a fiberglass swimming pool. It provides the pool's color, smooth texture, and attractive appearance while serving as a protective layer over the underlying composite materials. Its smooth, non-porous characteristics help resist algae adhesion and simplify routine cleaning, contributing to the reduced maintenance requirements associated with fiberglass pool ownership.

Rainforest offers a selection of attractive gelcoat finishes that create beautiful water colors and complement different architectural styles, patio materials, and landscaping designs.

Explore our **Fiberglass Pool Colors** to discover the possibilities.

Fiberglass Composite Shell

Beneath the gelcoat are multiple layers of fiberglass and specialized resins that form the pool's structural foundation.

These composite materials work together to provide strength, durability, and flexibility. Unlike swimming pools assembled from separate structural components, a fiberglass pool is manufactured as a unified, one-piece structure.

Structural Reinforcement

Additional reinforcement materials are incorporated during manufacturing to support the structural design of the pool shell. The combination of fiberglass laminates, specialized resins, and reinforcement materials contributes to the strength and long-term performance of the finished swimming pool.

Integrated Pool Features

One of the distinctive advantages of fiberglass pool construction is the ability to incorporate functional and recreational features directly into the molded shell. Depending on the model, these features may include:

- Convenient entry steps.
- Built-in seating and relaxation benches.
- Shallow-water tanning ledges.
- Generous open swimming areas.
- Various depth configurations.
- Integrated spas.

These features are thoughtfully incorporated into each pool design to accommodate different lifestyles, backyard environments, and recreational preferences. Explore our **Fiberglass Pool Models** to discover the variety of available designs.

From a Pool Shell to a Complete Swimming Pool

Although the fiberglass shell forms the foundation of your swimming pool, the completed project includes several additional components that contribute to its functionality, appearance, and enjoyment.

These include circulation and filtration equipment, plumbing, sanitization systems, coping, decking, and applicable safety features. Optional additions such as LED lighting, waterline tile, heating and chilling systems, water features, and landscaping allow homeowners to personalize their outdoor living environment.

Together, these elements transform a factory-manufactured fiberglass shell into a beautiful, functional swimming pool designed around your home and lifestyle.

What Makes Fiberglass Pools Different?

The primary distinction between fiberglass swimming pools and other inground pool types lies in their construction.

Because fiberglass pools are manufactured in a controlled factory environment before arriving at the installation site, many of the construction stages required for traditional site-built swimming pools are already complete.

This manufacturing approach offers several important advantages, including:

- Consistent, factory-controlled construction.
- Durable, one-piece composite design.
- Smooth, non-porous interior surfaces.
- Integrated recreational and relaxation features.
- An efficient installation process.
- Reduced ongoing surface maintenance requirements.
- Attractive long-term ownership value.

At **Rainforest Pools n Composites**, our fiberglass swimming pools are manufactured in Orlando, Florida, with attention to quality craftsmanship, structural integrity, attractive finishes, and homeowner enjoyment.

With proper care, a fiberglass swimming pool can last a lifetime, providing years of recreation, relaxation, and memorable experiences with family and friends. Learn more about caring for your investment in our **Fiberglass Pool Maintenance Guide**.

Understanding the construction and characteristics of fiberglass swimming pools provides a valuable foundation for exploring the many benefits they offer homeowners.

BENEFITS OF FIBERGLASS POOLS

Choosing a swimming pool is an important investment in your home, lifestyle, and outdoor living environment. While appearance and initial purchase price are important considerations, understanding the long-term benefits of fiberglass pool ownership can help you make a more informed purchasing decision.

Fiberglass swimming pools combine durable construction, simplified maintenance, attractive designs, comfortable swimming surfaces, and excellent long-term value. These advantages allow homeowners to spend less time maintaining their swimming pool and more time enjoying it.

Low Maintenance Requirements

One of the most appealing advantages of fiberglass swimming pools is their reduced ongoing maintenance requirements.

The smooth, non-porous gelcoat surface provides fewer places for algae to attach and accumulate compared to more porous swimming pool finishes. This helps simplify routine cleaning, reduces the need for extensive brushing, and can decrease overall chemical consumption.

Fiberglass swimming pools also eliminate the need for periodic vinyl liner replacement or the routine plaster resurfacing associated with many concrete pools. Although every swimming pool requires regular water testing, proper chemical balance, filtration, and cleaning, fiberglass pool ownership offers a more manageable maintenance routine.

For busy families, working professionals, retirees, and homeowners who simply prefer spending their leisure time enjoying their backyard, reduced maintenance is a particularly valuable benefit. Learn more about the everyday care of your swimming pool in our **Fiberglass Pool Maintenance Guide**.

Durability and Longevity

With proper care, a fiberglass swimming pool can last a lifetime.

Fiberglass composite construction combines structural strength with inherent flexibility, creating a durable swimming pool shell designed for long-term residential use.

Unlike rigid construction materials, fiberglass composites possess the ability to flex slightly under certain conditions. This characteristic is particularly beneficial in environments that experience seasonal temperature changes.

The one-piece construction of a fiberglass pool also eliminates the need for a separate vinyl liner or plaster interior finish, reducing the potential for maintenance and replacement associated with those materials.

At Rainforest Pools n Composites, our swimming pools are manufactured in Orlando, Florida, using carefully selected composite materials, specialized resins, structural reinforcement, and skilled craftsmanship.

Proper installation, balanced water chemistry, and regular maintenance help preserve the structural integrity, appearance, and performance of your swimming pool for years to come.

Visit our **Fiberglass Pool Maintenance Guide** to learn how proper care contributes to the longevity of your investment.

Smooth, Comfortable Swimming Surfaces

The smooth gelcoat finish of a fiberglass swimming pool provides an inviting and comfortable swimming environment.

Unlike some textured concrete finishes, the smooth fiberglass surface is gentle on swimmers' feet, hands, skin, and swimwear. This is especially appealing to families who spend considerable time playing, exercising, and relaxing in their swimming pool.

The gelcoat surface also simplifies routine cleaning by reducing the areas where algae and debris can accumulate. Depending on the pool model, textured surfaces are incorporated into designated areas such as entry steps and seating to provide additional traction.

Available in a variety of attractive colors, the gelcoat finish contributes to the overall appearance of the swimming pool, creating beautiful water tones that complement the surrounding outdoor environment. Discover our **Fiberglass Pool Colors** and explore how different finishes can influence the appearance of your swimming pool.

Faster Installation and Less Backyard Disruption

Because fiberglass swimming pools are manufactured as complete shells before arriving at the installation site, much of the structural construction is already completed.

This eliminates several time-consuming stages associated with traditional site-built swimming pools, including forming, steel placement, concrete application, curing, and plastering. Once the property is prepared, the fiberglass pool shell can be positioned, connected to the plumbing system, backfilled, and incorporated into the surrounding outdoor living environment.

This efficient construction approach generally offers several homeowner advantages:

- A shorter on-site construction period.
- Less prolonged disruption to your property.
- Fewer on-site structural construction stages.
- Earlier completion of the swimming pool project under favorable conditions.
- More time to enjoy your new backyard.

The total project timeline will depend on permitting, property access, weather, site conditions, equipment selection, decking, landscaping, and other project requirements.

Explore our **Fiberglass Pool Installation Guide** to better understand the installation process.

Lower Lifetime Cost of Ownership

While a fiberglass swimming pool may cost more initially than some alternatives, it can cost substantially less over time due to reduced ongoing maintenance and surface replacement expenses.

When evaluating the true cost of swimming pool ownership, it is important to look beyond the initial purchase and installation price. Long-term ownership expenses may include chemicals, cleaning supplies, professional maintenance, electricity, equipment servicing, repairs, and eventual equipment replacement.

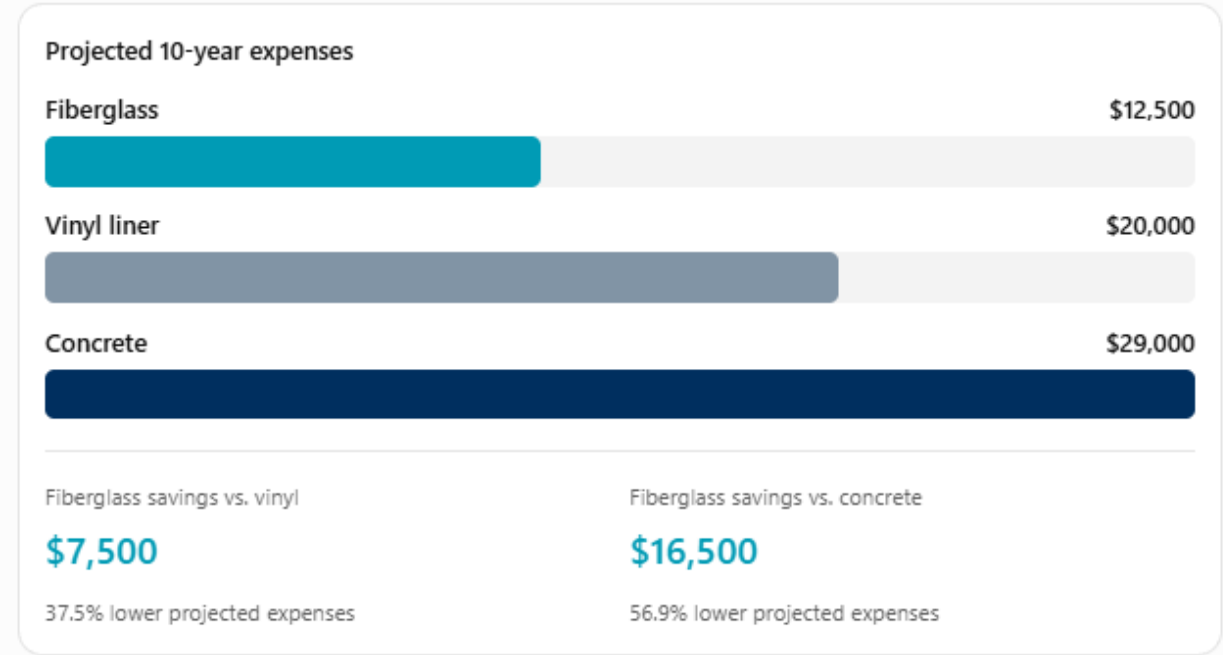
Fiberglass swimming pools offer several important financial advantages:

- Reduced routine surface cleaning requirements.
- Potentially lower chemical consumption.
- No periodic vinyl liner replacement.
- No regularly scheduled plaster resurfacing.
- Durable composite construction.
- Less time devoted to routine maintenance.

Over years of ownership, these advantages can translate into meaningful savings while providing a more convenient and enjoyable swimming pool experience. A fiberglass swimming pool is an investment designed to deliver lasting value rather than simply offer an attractive initial purchase price.

2027 Estimated 10-Year Pool Ownership Cost Comparison

Expense	Fiberglass	Vinyl Liner	Concrete
Annual chemicals	$250	$450	$800
Annual electricity	$1,000	$1,000	$1,000
Chemicals over 10 years	$2,500	$4,500	$8,000
Electricity over 10 years	$10,000	$10,000	$10,000
One liner replacement	—	$5,500	—
One interior resurfacing	—	—	$11,000
Estimated 10-year total	**$12,500**	**$20,000**	**$29,000**



Illustrative projections using estimated 2027 price levels held constant over ten years. Assumes comparable pool sizes and equipment, homeowner-performed routine cleaning, and one liner replacement or concrete resurfacing during the comparison period. Excludes initial installation, heating, water, equipment replacement, professional cleaning, unexpected repairs and future inflation. Actual costs vary.

As illustrated in the comparison above, the financial advantages of fiberglass swimming pool ownership become increasingly apparent over time. Reduced chemical consumption, simplified surface maintenance, and the absence of periodic liner replacement or scheduled plaster resurfacing can translate into substantial long-term savings.

When evaluating your swimming pool investment, consider not only the initial installation price but also the cumulative expenses associated with maintaining and enjoying your pool

throughout its lifetime. Learn more about initial investment and long-term ownership considerations in our **Fiberglass Pool Pricing Guide**.

Energy Efficiency and Responsible Pool Operation

Modern fiberglass swimming pools can be combined with energy-efficient equipment and thoughtful design features to help manage ongoing operating expenses.

Variable-speed pumps, appropriately sized filtration systems, energy-efficient LED lighting, heat pumps, automation systems, and pool covers can all contribute to more efficient pool operation. The reduced surface cleaning requirements associated with fiberglass pools may also help minimize certain maintenance-related expenses.

Pool size, water volume, equipment selection, swimming season, climate, heating preferences, and operating schedules all influence overall energy consumption. Homeowners who prioritize energy efficiency can incorporate equipment and features that help balance swimming comfort, convenience, and operating costs.

Factory-Controlled Manufacturing

A significant advantage of fiberglass pool construction is that the shell is manufactured in a controlled factory environment rather than constructed entirely outdoors at the installation site. This allows careful attention to material application, structural reinforcement, mold preparation, surface quality, and manufacturing consistency.

At Rainforest Pools n Composites, we combine specialized composite materials with skilled hands-on craftsmanship to manufacture swimming pools designed for long-term performance.

Our manufacturing process incorporates quality control procedures throughout production, helping ensure that each completed swimming pool shell meets established manufacturing requirements before leaving our facility. This controlled manufacturing approach provides homeowners with confidence in the construction and quality of their swimming pool. Learn more about our **Fiberglass Pool Manufacturing Process**.

Integrated Features and Thoughtful Pool Designs

Fiberglass swimming pools offer much more than a traditional open swimming area. Many recreational and relaxation features are incorporated directly into the molded pool shell, providing a seamless appearance and functional design.

Depending on the selected model, these features may include:

- Generous tanning ledges for shallow-water lounging.

- Comfortable built-in seating and relaxation benches.
- Convenient entry steps.
- Open swimming areas for recreation and exercise.
- Various depth configurations.
- Integrated spas for additional relaxation.

These thoughtfully designed features allow homeowners to select a swimming pool that complements how they intend to use their outdoor living space.

Whether your priorities include entertaining, family recreation, swimming, exercise, relaxation, or simply cooling off on a warm afternoon, Rainforest offers a variety of designs to accommodate different lifestyles. Explore our **Fiberglass Pool Models** to discover the possibilities.

Versatility for Different Backyard Sizes

A beautiful swimming pool does not necessarily require a large backyard. Today's fiberglass pool designs offer options for a wide variety of residential properties, from compact suburban courtyards to spacious outdoor living environments.

Smaller fiberglass swimming pools, cocktail pools, and plunge pools allow homeowners to incorporate a refreshing swimming and relaxation area while preserving valuable space for patios, outdoor kitchens, gardens, landscaping, and entertaining.

Larger swimming pool designs provide additional room for family recreation, swimming, exercise, and social gatherings. Rainforest's diverse collection includes rectangular pools, freeform designs, compact swimming pools, and models featuring integrated tanning ledges and seating areas.

This versatility allows homeowners to select a pool that complements both their available backyard space and intended lifestyle.

Explore our collections:

- **Small Fiberglass Pools**
- **Rectangular Fiberglass Pools**
- **Freeform Fiberglass Pools**
- **Tanning Ledge Fiberglass Pools**

Customization and Beautiful Outdoor Living

Although fiberglass swimming pools are manufactured in predetermined shapes and sizes, the finished swimming pool environment offers extensive opportunities for personalization.

Homeowners can create a distinctive outdoor living space through the selection of gelcoat colors, waterline tile, coping, patio materials, lighting, landscaping, and complementary backyard features.

Popular customization options include:

- Decorative waterline tile.
- Color-changing LED lighting.
- Bubblers, deck jets, and waterfalls.
- Heating and chilling systems.
- Pool automation and remote controls.
- Handrails and accessibility features.
- Outdoor kitchens and entertaining areas.
- Pergolas, shade structures, and screen enclosures.
- Coordinated landscaping and patio designs.

These features allow homeowners to complement their home's architecture, express their personal style, and create an outdoor environment that reflects their lifestyle.

Discover our **Fiberglass Pool Customization Options** for inspiration.

Suitable for Warm and Cold Climates

Fiberglass swimming pools are suitable for a wide range of climates, from regions with year-round swimming opportunities to northern communities with shorter swimming seasons.

The inherent strength and flexibility of fiberglass composite construction make it an attractive option for regions that experience seasonal temperature changes and freeze-thaw conditions.

In warmer climates, swimming pools can provide year-round recreation, relaxation, and outdoor enjoyment. Heating and chilling equipment can help maintain comfortable water temperatures throughout changing weather conditions.

In colder climates, properly installed and winterized fiberglass swimming pools can provide many years of seasonal enjoyment. Appropriate winterization procedures help protect the swimming pool, plumbing, and equipment during freezing temperatures.

Proper site preparation, groundwater management, installation, and seasonal care remain important considerations in every climate. Additional information about winterization and seasonal maintenance can be found in the Owner's Manual.

Long-Term Warranty Protection

Choosing a swimming pool manufacturer that stands behind its products is an important part of protecting your investment. Rainforest Pools n Composites backs its fiberglass swimming pools with a **Lifetime Structural Warranty and a 15-Year Surface Warranty**.

Our Lifetime Limited Warranty provides 35 years of structural coverage and 15 years of gelcoat protection. This coverage reflects our commitment to manufacturing quality, durable construction, and long-term homeowner confidence.

Combined with proper installation and routine maintenance, Rainforest's warranty protection provides additional reassurance when investing in a fiberglass swimming pool.

Enhanced Lifestyle and Potential Property Value

The benefits of swimming pool ownership extend far beyond construction, maintenance, and financial considerations. A thoughtfully designed swimming pool creates an inviting environment for everyday enjoyment, offering opportunities for:

- Family recreation and quality time together.
- Relaxation after a busy day.
- Low-impact exercise and swimming.
- Entertaining friends and guests.
- Enjoying vacations at home.
- Spending more time outdoors.
- Creating lasting memories.

A well-designed swimming pool and surrounding outdoor living area may also enhance a property's appearance, desirability, and marketability.

The potential impact on property value depends on factors such as geographic location, neighborhood characteristics, local real estate conditions, pool design, construction quality, and ongoing maintenance. While a swimming pool may contribute to property value, its greatest return for many homeowners is the enjoyment it brings to everyday life.

Learn more in our **Does a Pool Increase Home Value?** resource.

A Lifetime of Backyard Enjoyment

Fiberglass swimming pools offer a compelling combination of durability, convenience, attractive design, customization possibilities, and long-term ownership value. At Rainforest

Pools n Composites, we believe a swimming pool should enhance your lifestyle without creating unnecessary maintenance responsibilities.

From intimate cocktail pools and relaxing plunge pools to spacious family swimming pools, our collection offers designs for a wide variety of homes, backyards, and lifestyles. With proper care, your Rainforest fiberglass swimming pool can provide a lifetime of enjoyment.

Discover more of the **Benefits of Fiberglass Pools** and begin exploring the possibilities for your own backyard.

COMPARING FIBERGLASS, CONCRETE AND VINYL LINER POOLS

Choosing the right type of inground swimming pool involves more than comparing appearance or initial purchase price. Understanding the differences in construction methods, installation timelines, maintenance requirements, durability, surface comfort, customization opportunities, and long-term ownership costs can help homeowners make a confident purchasing decision.

Each swimming pool type offers distinct advantages and considerations. Evaluating these differences is an important step in determining which type of pool best complements your home, lifestyle, and budget.

Fiberglass vs. Concrete (Gunite) Pools

Concrete swimming pools, commonly referred to as gunite or shotcrete pools, are constructed directly at the installation site using steel reinforcement and concrete. The interior is then finished with plaster, aggregate, tile, or another suitable surface material.

Concrete pools offer considerable flexibility in shape, size, depth, and custom design, making them attractive for homeowners seeking highly specialized swimming pool configurations. However, the extensive on-site construction process generally requires a longer installation timeline. Depending on the selected interior finish, concrete pools may also require more frequent brushing, additional chemical treatment, and periodic resurfacing.

Fiberglass swimming pools arrive as completed, factory-manufactured shells. Their smooth, non-porous gelcoat surfaces help resist algae adhesion, reduce routine cleaning requirements, and provide a comfortable swimming experience. Unlike traditional plaster-finished concrete pools, fiberglass swimming pools do not typically require scheduled resurfacing as part of routine ownership.

The combination of efficient installation, durable composite construction, reduced maintenance requirements, and long-term ownership value makes fiberglass an attractive alternative to concrete swimming pools. Learn more in our **Fiberglass vs. Concrete Pools** comparison.

Fiberglass vs. Vinyl Liner Pools

Vinyl liner swimming pools consist of a supporting structure fitted with a flexible vinyl liner that contains the pool water.

Vinyl liner pools often offer a lower initial investment and provide a smooth swimming surface. They are available in a variety of shapes, sizes, and configurations. However, vinyl liners have a limited service life and generally require periodic replacement. Liners may also be susceptible to punctures, tears, fading, and wrinkling. Fiberglass swimming pools feature a durable, integrated gelcoat surface rather than a separate replaceable liner.

While the initial investment in a fiberglass pool may be higher, eliminating periodic liner replacement and reducing ongoing maintenance requirements can result in substantially lower ownership costs over time. For homeowners planning to enjoy their swimming pool for many years, these long-term considerations are particularly important.

Swimming Pool Type Comparison

The following comparison highlights the principal differences between fiberglass, concrete, and vinyl liner swimming pools.

Feature	Fiberglass	Concrete/Gunite	Vinyl Liner
Construction	Factory-manufactured, one-piece shell	Constructed on-site	Supporting structure with vinyl liner
Interior finish	Smooth, non-porous gelcoat	Plaster, aggregate, tile, or specialty finish	Smooth vinyl
Installation timeline	Generally shorter	Generally longer	Varies by project
Routine cleaning	Low	High	Moderate
Chemical consumption	Generally lower	Generally higher	Moderate
Algae resistance	High	Varies by surface finish	Generally good
Surface comfort	Smooth	Varies by finish	Smooth

Feature	Fiberglass	Concrete/Gunite	Vinyl Liner
Structural characteristics	Strong composite construction with inherent flexibility	Rigid, reinforced concrete structure	Supporting walls with flexible liner
Pool lifespan	Can last a lifetime with proper care	Can last decades with periodic renovation	Supporting structure can last decades with liner replacement
Typical repairs	Occasional gelcoat repairs	Surface deterioration, cracks, and resurfacing	Liner punctures, tears, and replacement
Surface maintenance	Low	Generally high	Moderate
Liner replacement	Not required	Not applicable	Typically every 7–10 years
Routine resurfacing	Not normally required	Periodically required for many finishes	Not applicable
Shape and size options	Wide variety of factory-designed models	Extensive custom design flexibility	Various configurations
Integrated features	Molded steps, seating, tanning ledges, and select integrated spas	Custom-built features	Varies by design
Initial investment	Moderate to high	Often highest	Often lowest
Long-term maintenance costs	Generally low	Generally high	Moderate
Lifetime cost of ownership	Generally favorable	Often higher	Includes periodic liner replacement

Actual installation costs, maintenance expenses, service life, and construction timelines vary according to pool size, location, property conditions, construction quality, equipment, water chemistry, and routine care.

Looking Beyond the Initial Purchase Price

The initial purchase and installation price represents only part of the overall cost of swimming pool ownership.

Routine maintenance, chemical consumption, equipment operation, surface repairs, and periodic renovations should also be considered when evaluating the long-term value of different swimming pool types.

As demonstrated in the 10-Year Pool Ownership Cost Comparison presented in the previous chapter, the reduced maintenance requirements of fiberglass swimming pools can translate into substantial long-term savings.

Although a fiberglass swimming pool may require a higher initial investment than some alternatives, its durable gelcoat surface, simplified maintenance requirements, and absence of periodic liner replacement or scheduled plaster resurfacing make it an attractive long-term investment.

Explore our **Fiberglass Pool Pricing Guide** for additional information about swimming pool costs and budgeting.

Which Swimming Pool Type Is Right for You?

The best swimming pool is one that complements your backyard, lifestyle, budget, and long-term expectations. Concrete swimming pools may appeal to homeowners seeking highly specialized shapes and custom dimensions. Vinyl liner pools may appeal to those prioritizing a lower initial investment.

Fiberglass swimming pools offer an exceptional balance of durability, attractive designs, comfortable swimming surfaces, efficient installation, reduced maintenance, and long-term value. With proper care, a fiberglass swimming pool can last a lifetime, providing years of recreation, relaxation, family enjoyment, and outdoor living.

Learn more about protecting your investment in our **Fiberglass Pool Maintenance Guide**.

At Rainforest Pools n Composites, our diverse collection of fiberglass swimming pools offers homeowners a wide variety of shapes, sizes, depth configurations, and integrated features to complement different properties and lifestyles.

Explore our **Fiberglass Pool Models** to discover the possibilities for your backyard.

ABOUT RAINFOREST POOLS N COMPOSITES

Beautiful Swimming Pools Begin with Quality Manufacturing

At Rainforest Pools n Composites, we believe an exceptional swimming pool begins with thoughtful design, quality materials, skilled craftsmanship, and attention to detail throughout the manufacturing process.

As a fiberglass swimming pool manufacturer based in Orlando, Florida, we specialize in the design and production of premium fiberglass swimming pools, spas, and tanning ledges. Our products are designed to combine structural strength, attractive finishes, functional features, and lasting enjoyment.

From intimate cocktail pools and compact plunge pools to spacious family swimming pools and resort-inspired designs featuring integrated spas and tanning ledges, our collection accommodates a wide variety of homes, backyard environments, and lifestyles.

Our commitment extends beyond the appearance of the finished swimming pool. We understand that homeowners are making a significant investment, and the materials, construction techniques, and manufacturing standards behind that investment are equally important.

Our History and Leadership

The foundation of Rainforest Pools n Composites is built on decades of experience in fiberglass and composite manufacturing.

Our founder and CEO, Richard “Rick” Ashley, began working with fiberglass materials before graduating from high school in 1985. His early experience involved handcrafting fiberglass automotive components, developing an appreciation for precision, material quality, and hands-on craftsmanship.

Rick subsequently entered the marine manufacturing industry, where he expanded his expertise in fiberglass fabrication, mold development, lamination, product design, and finishing techniques.

His experience in composite manufacturing, combined with training in Six Sigma and lean manufacturing principles, helped establish the foundation for Rainforest's approach to product development, manufacturing efficiency, and quality control.

Today, Rick remains actively involved in product design, manufacturing operations, and the continued development of our swimming pool collection. His passion for fiberglass manufacturing is reflected in our evolving product designs, thoughtful integration of recreational features, and commitment to producing swimming pools that homeowners can enjoy for generations.

Learn more about our company and leadership on our **About Rainforest Pools** page.

Manufactured in Orlando, Florida



Every Rainforest fiberglass swimming pool begins at our manufacturing facility in Central Florida.

Manufacturing our swimming pool shells in a controlled environment allows us to oversee material selection, mold preparation, gelcoat application, structural lamination, reinforcement, and final inspection.

Our skilled in-house manufacturing team brings hands-on experience to each stage of production, helping maintain consistency in the construction and appearance of our swimming pool shells.

Manufacturing in Orlando also provides important advantages for homeowners and independent pool builders, including:

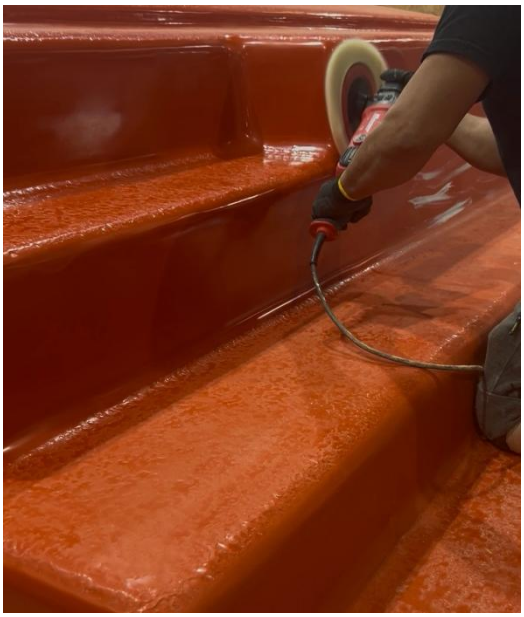
- Direct access to manufacturer product information and technical support.
- Established quality control procedures.
- Consistent product specifications and manufacturing processes.
- Efficient coordination of production and transportation.
- Ongoing product development and design innovation.
- Direct manufacturer-backed warranty support.

We take pride in knowing that every swimming pool leaving our facility represents our craftsmanship, manufacturing experience, and commitment to quality.

How Rainforest Fiberglass Pools Are Manufactured

The long-term performance of a fiberglass swimming pool begins with the materials and manufacturing techniques used to create its shell. At Rainforest Pools n Composites, our manufacturing process combines premium composite materials, specialized resins, carefully prepared molds, and skilled craftsmanship to create strong, durable, one-piece swimming pool shells.

Mold Design and Preparation



Every fiberglass swimming pool begins with a carefully designed mold that determines the finished pool's shape, dimensions, depth configuration, and integrated features.

Entry steps, seating areas, tanning ledges, relaxation benches, and other model-specific features are incorporated into the original mold design.

Carefully maintained molds help ensure consistent pool dimensions, accurately formed integrated features, and beautifully finished gelcoat surfaces.

Each model reflects consideration of both aesthetic appeal and practical functionality, helping homeowners enjoy a swimming pool designed around real backyard living.



Premium Marine-Grade Gelcoat

The gelcoat is the first material applied to the prepared mold and ultimately becomes the visible interior surface of the swimming pool.

Rainforest utilizes marine-grade gelcoat to create a smooth, attractive, non-porous interior finish.

Our published manufacturing specifications identify a 30-mil marine-grade gelcoat finish, providing the foundation for the swimming pool's color, appearance, and surface performance.

Proper gelcoat application requires attention to thickness, consistency, and surface quality.

The finished gelcoat contributes to:

- Beautiful and distinctive swimming pool colors.
- Smooth, comfortable swimming surfaces.
- Resistance to water penetration.
- Reduced algae adhesion.
- Simplified routine cleaning.
- Long-term surface performance when properly maintained.



Premium Vinyl Ester Resin Barrier

Beneath the gelcoat surface, a specialized vinyl ester resin barrier provides an additional layer of protection. Vinyl ester resin is valued in composite manufacturing for its moisture resistance, durability, and bonding characteristics.

Its incorporation into the swimming pool shell helps protect the underlying fiberglass laminate and contributes to resistance against osmotic blistering.

The quality of the materials used beneath the visible swimming pool surface is an important consideration when comparing fiberglass pool manufacturers.



Fiberglass Lamination

Multiple layers of fiberglass and resin are applied to create the structural foundation of the swimming pool shell.

Rainforest's construction incorporates chopped strand fiberglass, hand-applied fiberglass reinforcement, and woven roving.

Each material contributes specific characteristics to the overall composite structure.

Chopped strand materials help create continuous laminate coverage, while woven roving provides additional structural reinforcement.

The combination of specialized resins and fiberglass reinforcement creates a unified composite structure designed to provide strength, durability, and inherent flexibility.

Our skilled lamination team carefully applies these materials throughout the manufacturing process, paying particular attention to the contours and structural requirements of each swimming pool design.

Structural Reinforcement and Core Materials



Additional reinforcement and selected core materials are incorporated where appropriate to support the swimming pool's structural design.

The combination of fiberglass laminates, woven reinforcement, specialized resins, and durable core materials contributes to the overall performance of the finished shell.

These materials work together to create a strong, integrated structure without requiring separate structural assembly at the installation site.

Curing and Mold Removal



Following the lamination process, the composite materials are allowed to cure.

Curing is an essential stage in composite manufacturing, enabling the resin and fiberglass materials to develop their intended structural properties.

Once the shell has sufficiently cured, it is carefully removed from the mold and prepared for finishing and inspection.

The result is a complete, one-piece fiberglass swimming pool shell that incorporates the shape, depth configuration, and integrated features of the selected model.

Final Inspection and Preparation for Delivery



Before leaving our manufacturing facility, each swimming pool shell is inspected as part of our quality control process.

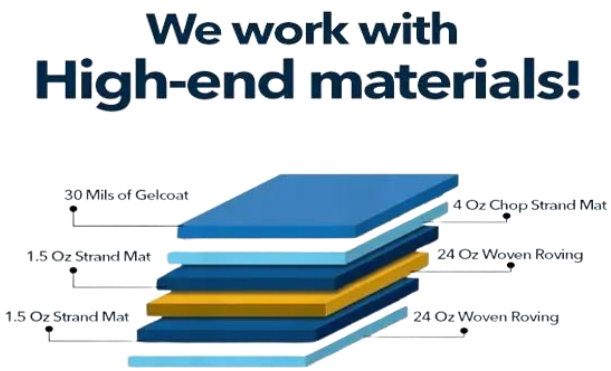
Attention is given to the finished surface, overall appearance, structural construction, and product consistency.

The completed swimming pool shell is then prepared for transportation to the installation site.

Unlike traditional swimming pools that require extensive structural construction at your property, a Rainforest fiberglass swimming pool arrives as a factory-manufactured shell, ready for professional installation.

Learn more about our materials, craftsmanship, and construction techniques in our **Fiberglass Pool Manufacturing Process**.

Quality Materials Make a Difference



Not all fiberglass swimming pools are manufactured using the same materials, laminate construction, reinforcement methods, or quality control procedures.

While two swimming pools may appear similar when viewed from the surface, important differences can exist beneath the gelcoat finish.

Rainforest's manufacturing process incorporates:

- Premium marine-grade gelcoat.
- Vinyl ester resin barrier protection.
- Multiple fiberglass laminate layers.
- Chopped strand fiberglass reinforcement.
- Hand-applied woven roving.
- Durable structural reinforcement and core materials.

These materials are selected to work together as a composite system, contributing to the strength, durability, appearance, and long-term performance of the swimming pool shell.

When evaluating fiberglass swimming pool manufacturers, homeowners should consider more than the shape, color, or initial purchase price of the swimming pool. Understanding how a swimming pool is manufactured and the materials used in its construction provides valuable insight into the quality of the product being purchased.

With proper installation, maintenance, and water chemistry, a quality fiberglass swimming pool can last a lifetime. Explore our **Fiberglass Pool Maintenance Guide** to learn how proper care helps protect the beauty and longevity of your swimming pool.

Engineering, Product Certification and Quality Control

Manufacturing quality extends beyond material selection and craftsmanship. Engineering specifications, documented manufacturing procedures, product identification, and independent evaluation are important components of responsible fiberglass swimming pool manufacturing.

Rainforest fiberglass swimming pool and spa shells are covered by ICC Evaluation Service (ICC-ES) product certificate **PMG-1695**. This evaluation addresses compliance with identified residential swimming pool construction standards and applicable building codes, subject to the conditions established in the product certificate.

Our fiberglass swimming pool and spa shells are manufactured under a quality control program that includes annual ICC-ES surveillance inspections. Product identification information allows individual shells to be associated with their manufacturer, model, serial number, and applicable product listing.

For homeowners, this provides additional confidence that their swimming pool is manufactured under established construction and quality control requirements.

View our **ICC-ES Product Certificate and Engineering Specifications** for additional information.

Thoughtful Designs for Real Backyard Living

Our product development philosophy begins with understanding how homeowners actually use their swimming pools.

Some homeowners want a spacious swimming area for family recreation and exercise. Others prefer a smaller swimming pool designed primarily for relaxation, entertaining, or cooling off during warm weather. Our collection offers a variety of shapes, dimensions, depth configurations, and integrated features to complement these different preferences.

Rainforest swimming pool designs include:

- Contemporary rectangular swimming pools.
- Flowing freeform swimming pools.
- Compact swimming pools and plunge pools.
- Cocktail pool designs.
- Swimming pools with integrated tanning ledges.
- Spacious family-oriented swimming pools.
- Swimming pools with built-in seating and relaxation areas.
- Select swimming pool and integrated spa combinations.
- Standalone fiberglass spas and tanning ledges.

By incorporating functional features directly into the original swimming pool design, we help homeowners create outdoor living environments that are both beautiful and practical.

Explore our **Fiberglass Pool Models** to discover the collection.

Our Independent Local Builder Network

Rainforest Pools n Composites specializes in manufacturing fiberglass swimming pool shells. We work with a network of independent local pool builders who bring their regional knowledge, construction experience, and installation expertise to individual homeowner projects.

Your local builder is responsible for evaluating your property, preparing project proposals, coordinating permits, managing installation, selecting appropriate equipment, and completing the surrounding swimming pool environment. This relationship combines Rainforest's specialized fiberglass manufacturing experience with the local construction knowledge needed to address your property's unique requirements.

Because soil conditions, groundwater levels, property access, permitting requirements, and construction practices vary by location, working with an experienced local builder is an important part of planning a successful swimming pool project.

Rainforest can help homeowners connect with builders serving their area through our **Find a Builder** resource.

Our Commitment to Homeowners

Purchasing a swimming pool is a significant investment, and we believe homeowners deserve access to accurate product information, helpful educational resources, and ongoing manufacturer support.

Our commitment to homeowners includes:

- Providing detailed swimming pool model information.
- Offering a diverse collection of thoughtfully designed products.
- Maintaining established manufacturing and quality control procedures.
- Providing educational resources about swimming pool ownership.
- Supporting homeowners with maintenance and care information.
- Standing behind our products with manufacturer-backed warranty protection.

Rainforest fiberglass swimming pools are backed by a **Lifetime Structural Warranty and a 15-Year Surface Warranty**, subject to the terms and conditions of our Lifetime Limited Warranty.

Our goal is to provide homeowners with the information and confidence they need to make informed decisions and enjoy their swimming pools for years to come.

The Rainforest Difference

A beautiful swimming pool is more than what you see at the water's surface. Its quality begins with the materials, craftsmanship, engineering, and manufacturing processes incorporated into the shell itself.

At Rainforest Pools n Composites, we combine decades of fiberglass manufacturing experience with thoughtful product design and a commitment to long-term homeowner satisfaction.

From our manufacturing facility in Orlando, Florida, to your backyard, our focus remains on creating beautiful, durable fiberglass swimming pools that complement your home, enhance your lifestyle, and provide a lifetime of enjoyment.

CHOOSING THE RIGHT SWIMMING POOL

Selecting a swimming pool is an exciting opportunity to create an outdoor living environment that reflects your personal style, complements your home, and enhances your everyday life.

The ideal swimming pool is not necessarily the largest or most elaborate design. It is the one that makes the best use of your available space, accommodates your preferred activities, and provides lasting enjoyment.

Rainforest Pools n Composites offers a diverse collection of fiberglass swimming pools with different shapes, dimensions, depth configurations, and integrated features to suit a variety of backyards and lifestyles.

Consider Your Lifestyle

Begin by thinking about how you envision using your swimming pool. Your intended activities can help determine the most suitable shape, size, depth, and features.

Family Recreation

Families may benefit from generous swimming areas, comfortable entry steps, gradual depth transitions, and built-in seating. A well-designed family swimming pool provides space for recreation while accommodating swimmers with different abilities and preferences.

Relaxation and Outdoor Entertaining

If your swimming pool will primarily serve as a place to unwind or entertain, consider designs with integrated tanning ledges, comfortable seating, and generous conversation areas. These features create inviting spaces for socializing and relaxing in the water.

Swimming and Exercise

Homeowners who enjoy swimming laps, water aerobics, or low-impact exercise may prefer rectangular designs with longer, unobstructed swimming areas and suitable water depths.

Everyday Enjoyment

For many homeowners, a swimming pool serves multiple purposes. Selecting a versatile design that accommodates recreation, exercise, entertaining, and relaxation can provide greater enjoyment throughout the years.

Making the Most of Your Backyard Space

Your swimming pool should complement your property rather than overwhelm it. When evaluating the available space, consider not only the dimensions of the pool but also the surrounding areas you would like to incorporate into your outdoor living environment.

These may include:

- Patio furniture and lounge chairs.
- Outdoor dining and entertaining areas.
- Outdoor kitchens.
- Landscaping and gardens.
- Covered patios and shade structures.
- Outdoor showers.
- Walkways and access around the pool.
- Space for children, pets, and recreational activities.

A smaller swimming pool may provide a better overall backyard experience by preserving space for these complementary features. Larger properties may accommodate more expansive swimming pool designs, integrated spas, generous patios, and additional outdoor living amenities. Property setbacks, easements, utility locations, drainage, and applicable building requirements must also be considered when determining the available installation area.

Choosing Your Swimming Pool Shape

The shape of your swimming pool influences the appearance, functionality, and overall character of your backyard.

Rectangular Fiberglass Pools



Rectangular swimming pools feature clean lines and timeless designs that complement both contemporary and traditional architecture.

Their geometric layouts make efficient use of available backyard space and provide flexibility when planning surrounding patios, landscaping, and outdoor living areas.

Rectangular designs are particularly appealing to homeowners who enjoy swimming, exercise, family recreation, and organized outdoor entertaining. Many Rainforest rectangular models incorporate built-in seating, tanning ledges, and thoughtfully positioned entry steps without sacrificing valuable swimming space. Explore our **Rectangular Fiberglass Pools**.

Freeform Fiberglass Pools



Freeform swimming pools feature flowing curves and softer contours that create a relaxed, natural appearance.

These designs complement tropical landscaping, natural stone, curved patios, waterfalls, and resort-inspired outdoor environments.

Freeform pools are an excellent option for homeowners who prefer an informal backyard setting that blends naturally with the surrounding landscape. Depending on the selected model, freeform designs may incorporate generous seating areas, tanning ledges, and open swimming spaces. Explore our **Freeform Fiberglass Pools**.

Flat-Bottom Swimming Pools



Flat-bottom swimming pools maintain a relatively consistent water depth throughout the primary swimming area.

These designs are particularly attractive for social gatherings, water exercise, recreational games, and homeowners who prefer a comfortable standing depth across more of the pool.

A consistent depth can maximize the usable recreational area without dedicating a substantial portion of the swimming pool to deeper water.

Integrated Tanning Ledges



A tanning ledge is a shallow-water platform designed for lounging, relaxation, and enjoying the refreshing comfort of the swimming pool without being fully submerged.

Tanning ledges are particularly popular with homeowners who enjoy sunbathing, outdoor entertaining, and resort-inspired backyard environments.

Depending on the model and available space, tanning ledges can accommodate appropriately designed in-water lounge furniture and optional features such as bubblers. They also provide an additional recreational area separate from the main swimming space. Children must always be actively supervised around water, regardless of depth. Explore our **Tanning Ledge Fiberglass Pools**.

Built-In Seating and Benches

Integrated seating creates comfortable areas for relaxing, socializing, and taking a break from swimming. Seating configurations vary among pool models and may include corner benches, extended seating areas, or benches positioned along portions of the pool perimeter.

When selecting a swimming pool, consider how the placement of seating influences both conversation areas and usable swimming space.

Integrated Entry Steps

Entry steps provide convenient access to and from the swimming pool. Their width, location, and configuration can influence the overall functionality of the pool. Some homeowners prefer generous entry areas, while others prioritize designs that preserve more unobstructed swimming space. Optional handrails can provide additional support where needed.

Integrated Spas



Swimming pool and spa combinations offer homeowners the opportunity to enjoy both recreational swimming and warm-water relaxation within a coordinated outdoor living environment.

An integrated spa can complement the swimming pool's overall appearance while providing an inviting space for relaxation and socializing. Homeowners should consider the additional equipment, heating requirements, and operating expenses associated with spa ownership when evaluating these designs. A standalone fiberglass spa may also be incorporated into the backyard design where greater placement flexibility is desired.

Balancing Swimming Space and Relaxation Features

Integrated features contribute significantly to the enjoyment of a swimming pool, but it is important to evaluate how they influence the overall interior layout.

A generous tanning ledge may be ideal for homeowners who prioritize relaxation and entertaining. However, someone who enjoys swimming laps may prefer a model with a longer, unobstructed swimming area. Similarly, extensive built-in seating may be particularly valuable for social gatherings, while families who enjoy active water games may prioritize open recreational space.

When comparing pool models, look beyond exterior dimensions and consider how much of the interior is dedicated to swimming, seating, entry steps, tanning ledges, and other features. The most suitable design is one that reflects how you intend to enjoy your swimming pool.

Planning for Years of Enjoyment

A fiberglass swimming pool is a long-term investment, and your lifestyle may change throughout the years. Consider how your swimming pool might accommodate growing children, visiting grandchildren, changing recreational interests, retirement, entertaining, or evolving accessibility needs.

A thoughtfully selected swimming pool can continue to provide enjoyment through different stages of life. Convenient entry steps, comfortable seating, versatile depth configurations, and well-planned surrounding patio areas can contribute to the long-term functionality of your outdoor living environment.

With proper care, a fiberglass swimming pool can last a lifetime. Selecting a design that accommodates both your current and future needs helps maximize the enjoyment and value of your investment.

Finding Your Ideal Rainforest Swimming Pool

Before making your final model selection, consider the following questions:

- ☐ How much backyard space do I want to dedicate to my swimming pool?
- ☐ Will the pool primarily be used for swimming, recreation, entertaining, or relaxation?
- ☐ Do I prefer a rectangular or freeform design?
- ☐ What swimming pool depth best suits my lifestyle?
- ☐ Would I enjoy an integrated tanning ledge or built-in spa?
- ☐ How important are built-in seating and open swimming areas?
- ☐ What additional outdoor living features would I like to include?
- ☐ How might my swimming pool needs change in the future?
- ☐ What is my overall swimming pool and backyard improvement budget?

At Rainforest Pools n Composites, our collection offers a wide variety of designs, from compact swimming pools for smaller outdoor spaces to expansive swimming pools for active families and resort-inspired backyards. Take time to explore the available models, compare their dimensions and integrated features, and envision how each design could complement your home.

Discover your possibilities by exploring our complete collection of **Fiberglass Pool Models**.

SMALL POOLS, COCKTAIL POOLS & PLUNGE POOLS



Big Possibilities for Smaller Backyards

You don't need a large backyard to enjoy the luxury of a beautiful inground swimming pool. Small fiberglass pools, often referred to as cocktail pools or plunge pools, offer an exceptional opportunity to create an inviting outdoor living environment without dedicating your entire backyard to a swimming pool.

Whether you live in an established suburban neighborhood, a contemporary courtyard home, a newer residential community, or simply prefer a more intimate outdoor retreat, a thoughtfully selected compact swimming pool can transform your available space.

These smaller designs offer the same durability, attractive gelcoat finishes, comfortable swimming surfaces, and reduced maintenance requirements as larger fiberglass swimming pools.

From refreshing afternoon swims and quiet moments of relaxation to evening gatherings with friends, a compact swimming pool can become the centerpiece of a beautiful and functional outdoor living environment. Rainforest Pools n Composites offers a variety of compact fiberglass swimming pool designs that combine quality craftsmanship, durability, attractive finishes, and thoughtful features.

Explore our **Small Fiberglass Pools** and discover how a smaller swimming pool can bring big possibilities to your backyard.

CUSTOMIZING YOUR SWIMMING POOL

Make Your Swimming Pool Uniquely Yours

Selecting your fiberglass pool model is just the beginning of creating your ideal backyard. Although fiberglass swimming pools are manufactured in established shapes and sizes, the opportunities to personalize your finished swimming pool and surrounding outdoor living environment are extensive.

From beautiful gelcoat colors and decorative waterline tile to dramatic lighting, elegant water features, and distinctive patio materials, your selections can transform a Rainforest fiberglass swimming pool into a backyard retreat that reflects your individual style.

Choosing Your Fiberglass Pool Color

The color of your swimming pool is one of the most influential design decisions you will make. Different gelcoat finishes create distinctive water colors, ranging from light, refreshing tropical tones to rich, sophisticated blues. When selecting your pool color, consider your home's architecture, surrounding landscaping, patio materials, and the overall atmosphere you wish to create.

Lighter finishes can create a bright, tropical appearance reminiscent of Caribbean waters, while deeper colors can produce a dramatic, luxurious effect. The appearance of your pool water will also change throughout the day depending on sunlight, cloud cover, water depth, surrounding vegetation, and reflections from the sky.

Rainforest Pools n Composites offers a selection of beautiful gelcoat finishes to complement a variety of architectural styles and outdoor living environments. Explore our **Fiberglass Pool Colors** to discover your options.

Decorative Waterline Tile

Waterline tile adds a distinctive decorative element to a fiberglass swimming pool, creating a visually appealing transition between the water and surrounding coping. Available in numerous colors, patterns, textures, and materials, waterline tile allows homeowners to introduce additional character and coordinate their swimming pool with the surrounding patio and architectural features.

Popular choices include:

- Glass mosaic tile.
- Porcelain tile.
- Natural stone-inspired designs.
- Contemporary geometric patterns.
- Tropical and coastal color combinations.
- Subtle, neutral tones.

Waterline tile is an optional enhancement rather than a requirement for fiberglass pool ownership. When selected and properly installed using materials suitable for fiberglass applications, it can add a beautiful finishing touch to the pool.

Swimming Pool Lighting

Thoughtfully positioned underwater lighting can transform the appearance of your swimming pool after sunset. Modern LED pool lighting offers energy-efficient illumination and a variety of color options, allowing homeowners to create different settings for evening swims, outdoor entertaining, or quiet relaxation.

Soft white lighting can create an elegant, understated appearance, while vibrant colors can introduce a festive or resort-inspired atmosphere. Lighting can also highlight integrated tanning ledges, water features, and surrounding architectural elements. Complementary landscape lighting, illuminated pathways, and patio lighting can further enhance the beauty and functionality of your outdoor living environment.

Decorative Water Features

The movement and sound of flowing water can introduce an entirely new dimension to your swimming pool experience. Water features can create visual interest, establish a relaxing atmosphere, and enhance the overall character of your backyard.

Bubblers

Bubblers create gentle fountains of water and are particularly popular on tanning ledges. They introduce movement and playful visual interest without overwhelming the surrounding environment. When combined with LED lighting, bubblers can create especially attractive nighttime displays.

Deck Jets



Deck jets project graceful streams of water from the surrounding deck into the swimming pool.

Their clean, elegant appearance complements contemporary pool designs and adds movement to the outdoor environment.

Sheer Descent Waterfalls

Sheer descent waterfalls create a smooth curtain of water flowing from a raised wall or decorative structure into the swimming pool. These features are particularly attractive when incorporated into contemporary masonry walls, architectural accents, or raised landscape features.

Natural Rock Waterfalls

Natural rock and artificial rock waterfalls can create a tropical or resort-inspired atmosphere. Combined with lush landscaping and flowing freeform pool designs, they can help transform an ordinary backyard into a relaxing retreat reminiscent of a natural lagoon.

Decorative Water Bowls

Water bowls introduce an architectural accent while allowing water to cascade into the swimming pool. Available in various materials, shapes, and finishes, they can complement traditional, Mediterranean, contemporary, and resort-inspired outdoor environments.

Coping and Pool Decking

The materials surrounding your swimming pool are just as important to the overall appearance of your backyard as the pool itself. Coping creates a finished transition between the pool shell and surrounding patio, while decking provides space for walking, lounging, entertaining, and enjoying the outdoor environment.

Popular materials include:

Travertine

Travertine offers a timeless, natural appearance with subtle variations in color and texture. Its elegant finish complements both traditional and contemporary swimming pool designs.

Concrete Pavers

Concrete pavers are available in a wide variety of colors, shapes, sizes, and patterns, providing extensive design flexibility for pool patios and surrounding outdoor living areas.

Decorative Concrete

Stamped, textured, and colored concrete can create attractive, coordinated pool surrounds while offering numerous design possibilities.

Porcelain Pavers

Outdoor-rated porcelain pavers offer a refined, contemporary appearance and are available in designs that resemble natural stone, wood, and other architectural materials.

Natural Stone

Natural stone can introduce distinctive character, organic textures, and beautiful color variations to the surrounding pool environment.

When selecting coping and decking materials, consider surface temperature, slip resistance, drainage, maintenance requirements, durability, and comfort underfoot.

Enhancing Your Pool with a Standalone Tanning Ledge



A standalone fiberglass tanning ledge provides additional opportunities for homeowners who enjoy shallow-water lounging and resort-inspired outdoor living.

Rather than selecting a swimming pool with an integrated tanning ledge, homeowners may choose to incorporate a separate fiberglass ledge into their overall backyard design.

This approach provides greater flexibility in the selection and positioning of the main swimming pool while creating a dedicated area for relaxation.

In-water lounge furniture, decorative bubblers, and coordinated lighting can enhance the finished appearance. A standalone tanning ledge can be an attractive complement to both compact swimming pools and larger family-oriented designs.

Adding a Fiberglass Spa



A standalone fiberglass spa can complement your swimming pool and introduce additional opportunities for relaxation and enjoyment.

Depending on the backyard layout, a spa may be positioned beside the swimming pool, incorporated into a raised patio design, or placed within a separate relaxation area.

Coordinated gelcoat colors, coping, tile, and surrounding materials can create a unified appearance between the swimming pool and spa.

A heated spa also provides opportunities to enjoy your outdoor living environment during cooler evenings and seasons when the swimming pool may be less frequently used.

Accessibility and Convenience

Thoughtful customization can make a swimming pool more comfortable and convenient for homeowners and guests with different mobility needs. Optional handrails can provide

additional support when entering or exiting the swimming pool. Carefully selected entry-step configurations, comfortable seating, well-planned walkways, and appropriate surrounding patio surfaces can also contribute to ease of use.

When planning accessibility features, consider both your current needs and how those needs may change over time. An experienced pool builder can help identify suitable options based on your selected swimming pool model and individual requirements.

Creating a Complete Outdoor Living Environment

Your swimming pool can become the centerpiece of an outdoor living environment designed around relaxation, recreation, and entertaining.

Consider incorporating complementary features that enhance the overall functionality and enjoyment of your backyard:

- **Outdoor kitchens and dining areas** for convenient entertaining.
- **Pergolas and covered patios** for shade and relaxation.
- **Screen enclosures** for added comfort in applicable climates.
- **Fire pits and outdoor fireplaces** for evening gatherings.
- **Privacy landscaping** to create a peaceful retreat.
- **Outdoor showers** for added convenience.
- **Comfortable lounge furniture** for relaxing beside the pool.
- **Landscape and architectural lighting** to enhance evening enjoyment.

The most successful backyard designs create a natural connection between the swimming pool, home, and surrounding outdoor spaces. Coordinating colors, materials, textures, and architectural features can establish a cohesive appearance that feels like a natural extension of your home.

Bringing Your Vision to Life

Every homeowner has a different vision of the perfect backyard. Some prefer a clean, contemporary swimming pool surrounded by minimalist landscaping, while others envision a tropical retreat with cascading waterfalls, lush gardens, and natural stone.

Whether your style is modern, traditional, coastal, Mediterranean, tropical, or resort-inspired, a Rainforest fiberglass swimming pool provides the foundation for creating a distinctive outdoor living environment.

By thoughtfully selecting your pool model, gelcoat color, decorative finishes, water features, lighting, and surrounding materials, you can create a backyard that is uniquely yours. Explore our **Fiberglass Pool Customization Options** for additional inspiration and discover the possibilities for your Rainforest swimming pool.

POOL EQUIPMENT AND ACCESSORIES

The right combination of swimming pool equipment and accessories can enhance water quality, swimming comfort, energy efficiency, safety, and everyday convenience.

While your Rainforest fiberglass pool shell provides the structural foundation of your swimming pool, the equipment package plays an important role in how efficiently your pool operates and how easily it can be maintained. Equipment should be selected according to your pool's water volume, local climate, intended use, desired features, and personal preferences.

Pool Pumps and Circulation Systems

The pool pump is the heart of the swimming pool's circulation system. It moves water through the filtration and sanitization equipment before returning clean water to the pool.

Variable-speed pool pumps offer significant advantages over traditional single-speed pumps by allowing water circulation to be adjusted according to the pool's operational requirements.

Potential benefits include:

- Reduced electricity consumption.
- Quieter operation.
- Flexible operating schedules.
- Adjustable circulation speeds.
- Efficient operation of compatible water features and equipment.

An appropriately sized pump and properly designed circulation system contribute to clear water, effective filtration, and manageable operating expenses.

Swimming Pool Filtration Systems

The filtration system removes dirt, debris, and suspended particles from swimming pool water. Three commonly used filtration systems are available for residential swimming pools.

Filter Type	Characteristics
Cartridge Filters	Provide effective filtration without routine backwashing. Cartridges require periodic removal and cleaning.
Sand Filters	Use specialized filter media to capture debris. Periodic backwashing removes accumulated contaminants.

Diatomaceous Earth (DE) Filters	Provide fine-particle filtration but generally require more involved cleaning and maintenance procedures.

Cartridge filtration is particularly attractive to homeowners who prefer straightforward maintenance and reduced water consumption associated with filter cleaning. Your pool builder can recommend an appropriately sized filtration system based on your selected swimming pool, equipment configuration, and maintenance preferences.

Swimming Pool Sanitization

Proper sanitization is essential for maintaining clean, healthy swimming pool water. Homeowners have several options for introducing and maintaining chlorine, including traditional chlorine systems and salt chlorine generators.

Traditional Chlorine

Rainforest recommends traditional liquid pool chlorine as a preferred approach to sanitizing fiberglass swimming pools.

Liquid chlorine offers several advantages:

- Straightforward adjustment of chlorine levels.
- No additional calcium or cyanuric acid introduced by the chlorine product itself.
- Compatibility with manual dosing or automated liquid chlorine feeding systems.
- Effective sanitization when properly managed.
- Greater flexibility in controlling water chemistry.

Maintaining balanced water chemistry and appropriate sanitizer levels is essential to protecting the appearance and longevity of your fiberglass pool's gelcoat finish.

Salt Chlorine Generators

A saltwater swimming pool is still a chlorinated swimming pool. A salt chlorine generator produces chlorine through an electrochemical process using dissolved salt in the pool water. Although these systems offer automated chlorine production, they still require regular water testing, chemical adjustments, and equipment maintenance.

Salt chlorine generators can contribute to rising pH levels, calcium scale accumulation, and additional water chemistry management requirements. Improperly managed water chemistry may also contribute to whitening or discoloration of fiberglass gelcoat surfaces.

Homeowners considering a salt chlorine generator should understand these considerations when selecting their sanitization equipment. Regardless of the system selected, proper water chemistry remains essential.

Visit our **Fiberglass Pool Maintenance Guide** for more information.

Swimming Pool Heating and Chilling

Heating and chilling equipment allows homeowners to enjoy their swimming pools at comfortable temperatures throughout changing weather conditions. The appropriate system depends on your geographic location, swimming season, pool size, desired water temperature, and operating budget.

Electric Heat Pumps

Electric heat pumps transfer heat from the surrounding outdoor air into the swimming pool water. They are particularly attractive to homeowners who want to maintain a comfortable swimming temperature over extended periods. Their efficiency and heating performance depend on outdoor air temperature, humidity, equipment sizing, and other operating conditions.

Natural Gas and Propane Heaters

Gas heaters provide relatively rapid heating, making them attractive for homeowners who want to heat their swimming pool or spa on demand. They are particularly useful for spas, occasional swimming pool heating, and environments where cooler outdoor temperatures may limit the performance of traditional heat pumps. Operating expenses depend on fuel prices, equipment efficiency, pool volume, and frequency of use.

Solar Pool Heating

Solar pool heating systems use energy from the sun to warm swimming pool water. These systems can provide an attractive option in locations with adequate sunlight and suitable installation space for solar collectors. Heating performance varies with weather conditions, available sunlight, collector size, and seasonal temperatures.

Swimming Pool Chillers

In warmer climates, swimming pool water can become uncomfortably warm during extended periods of hot weather. A pool chiller helps lower water temperatures, creating a more refreshing swimming environment during the hottest months of the year. Chilling equipment is particularly appealing in Florida and other southern regions where summer temperatures can remain elevated for extended periods.

Combination Heat Pump and Chiller Systems

Combination heating and chilling systems offer homeowners the flexibility to warm or cool their swimming pool water using a single compatible unit. These systems can help extend

the comfortable swimming season while providing greater control over water temperatures throughout the year.

Automatic and Robotic Pool Cleaners

Automatic pool cleaners can further simplify swimming pool maintenance by collecting dirt, leaves, and debris from the pool's interior.

Robotic Pool Cleaners

Robotic cleaners operate independently of the pool's primary circulation system and typically collect debris in an internal filter basket. Depending on the selected model, robotic cleaners may clean the pool floor, walls, and waterline. Many modern robotic cleaners offer programmable cleaning cycles, smartphone controls, and convenient debris removal.

Suction-Side Pool Cleaners

Suction-side cleaners operate using the suction created by the swimming pool's circulation pump. They move around the pool collecting debris, which is then captured by the pool's filtration system or an attached debris collector.

Pressure-Side Pool Cleaners

Pressure-side cleaners use water pressure to move throughout the swimming pool and typically collect debris in a separate collection bag. When selecting an automatic pool cleaner, choose equipment specifically suitable for fiberglass gelcoat surfaces and the interior configuration of your selected pool model.

Swimming Pool Automation

Modern pool automation systems allow homeowners to manage compatible swimming pool equipment from a centralized control panel or smartphone application.

Depending on the selected system, automation may provide control over:

- Pump speeds and circulation schedules.
- Pool and spa temperatures.
- Underwater lighting and color settings.
- Decorative water features.
- Compatible sanitization equipment.
- Heating and chilling systems.
- Pool-to-spa operating modes.

Automation can simplify everyday operation, reduce the need for manual equipment adjustments, and help homeowners manage energy consumption through customized operating schedules. Homeowners who frequently entertain or travel may find remote equipment monitoring and control particularly convenient.

Swimming Pool Covers

Swimming pool covers can provide valuable benefits, including reduced evaporation, improved heat retention, protection from debris, and enhanced safety when a properly rated safety cover is selected.

Different types of covers serve different purposes.

Cover Type	Primary Benefits
Automatic Safety Covers	Convenient operation, reduced evaporation, heat retention, debris protection, and a safety barrier when properly rated, installed, and secured.
Manual Safety Covers	Seasonal protection and a safety barrier when properly rated, installed, and secured.
Solar Covers	Reduced evaporation and heat loss. Not designed to serve as safety covers.
Winter Covers	Seasonal protection from leaves, debris, and environmental exposure. Safety capabilities depend on the specific product.

Automatic covers are particularly compatible with many rectangular swimming pool designs. Freeform pools may require specialized cover arrangements depending on their shape and surrounding construction.

Cover selection should be considered during the initial planning stages because certain systems require specific track installations, deck configurations, or equipment accommodations.

A swimming pool cover does not replace active adult supervision or other legally required swimming pool safety measures.

Swimming Pool Safety Equipment

Thoughtful safety planning is an essential part of responsible swimming pool ownership.

Depending on local building requirements and individual homeowner needs, safety equipment may include:

- Swimming pool fencing and self-closing, self-latching gates.
- Approved swimming pool safety covers.
- Door, gate, and pool alarms.
- Accessible entry handrails.
- Appropriate depth and no-diving markings.
- Rescue equipment, including a reaching pole and flotation device.

Swimming pool barriers and safety equipment should comply with applicable local regulations. **Children and inexperienced swimmers must always receive appropriate supervision. No single safety device eliminates the risk of drowning, and multiple layers of protection are recommended.**

Additional homeowner safety information is available through **Pool Safely**, a public education initiative of the U.S. Consumer Product Safety Commission.

Choosing the Right Equipment Package

Not every swimming pool requires the same equipment package. Selecting equipment that complements your lifestyle, climate, and swimming pool design can improve your ownership experience without adding unnecessary expenses.

Homeowner Priority	Equipment Worth Considering
Simplified maintenance	Robotic cleaner, cartridge filter, automated liquid chlorine feeder
Energy efficiency	Variable-speed pump, LED lighting, pool cover
Extended swimming season	Heat pump, gas heater, heat-retaining pool cover
Comfortable summer swimming	Pool chiller or combination heating and chilling system
Outdoor entertaining	Color-changing lighting, water features, automation
Convenience	Smartphone-compatible equipment controls and automatic cleaning
Reduced water evaporation	Compatible swimming pool cover
Safety	Approved barriers, safety covers, alarms, and rescue equipment

Discuss your priorities with your local pool builder before finalizing your equipment selections.

Planning your equipment package early allows the necessary plumbing, electrical connections, equipment space, and control systems to be incorporated into the overall swimming pool design. The goal is to create a swimming pool that is not only beautiful but also comfortable, efficient, convenient, and enjoyable to own. For additional ideas, explore our **Fiberglass Pool Customization Options**.

COST CONSIDERATIONS

Understanding Your Swimming Pool Investment

Investing in an inground swimming pool is an exciting opportunity to enhance your home, create an inviting outdoor living environment, and enjoy years of recreation and relaxation.

Understanding the expenses associated with purchasing, installing, and maintaining a swimming pool can help you establish a realistic budget and make informed decisions throughout the planning process.

The total cost of a fiberglass swimming pool project depends on much more than the price of the pool shell. Property conditions, installation requirements, equipment, customization options, decking, and surrounding outdoor living features all contribute to the overall investment.

How Much Does a Fiberglass Pool Cost?

No two swimming pool projects are exactly alike. Even homeowners selecting the same fiberglass pool model may receive different installation proposals because of differences in property conditions, geographic location, equipment selections, and project requirements.

Rainforest Pools n Composites manufactures fiberglass swimming pool shells in Orlando, Florida. Our independent local builders establish the pricing for complete swimming pool installations based on the individual requirements of each homeowner's project.

Fiberglass swimming pool projects generally fall within several broad categories. Explore more with our Fiberglass Pool Pricing Guide.

Essential Swimming Pool Installation

An essential installation focuses on providing a beautiful, functional swimming pool with the necessary equipment and finishing elements. Depending on the builder's proposal, this may include:

- Fiberglass swimming pool shell.

- Transportation and delivery.
- Excavation and site preparation.
- Pool placement and backfilling.
- Plumbing and electrical connections.
- Circulation and filtration equipment.
- Sanitization equipment.
- Basic coping and decking.
- Required permits and safety features.

This approach is particularly attractive to homeowners who want to enjoy the fundamental benefits of swimming pool ownership while managing their initial investment.

Enhanced Swimming Pool Installation

An enhanced swimming pool project incorporates additional features that improve convenience, appearance, comfort, and functionality. These may include expanded decking, decorative waterline tile, color-changing LED lighting, heating or chilling equipment, automated controls, water features, and upgraded patio materials.

This approach allows homeowners to create a more personalized outdoor living environment while balancing desired features with their overall budget.

Luxury Outdoor Living Project

A comprehensive backyard transformation may extend well beyond the swimming pool itself. These projects can incorporate integrated or standalone spas, separate tanning ledges, elaborate water features, extensive hardscaping, outdoor kitchens, covered patios, screen enclosures, landscape lighting, and professionally designed landscaping.

The overall investment reflects the complexity and scope of the entire outdoor living environment rather than simply the swimming pool installation.

For additional pricing information, explore our **Fiberglass Pool Pricing Guide**.

What Influences the Cost of a Fiberglass Swimming Pool?

Pool Model and Dimensions

The size and configuration of your selected fiberglass swimming pool influence the cost of the shell, transportation, excavation, foundation preparation, backfill materials, water volume, and surrounding construction. Smaller swimming pools may offer a more manageable initial investment, although certain installation expenses remain relatively similar regardless of pool size.

Models featuring integrated tanning ledges, generous seating areas, or built-in spas may eliminate the need to construct these features separately. Explore our complete collection of **Fiberglass Pool Models** to compare available designs.

Geographic Location and Transportation

Transportation expenses, regional labor rates, material availability, permitting fees, and local construction requirements can influence the overall cost of a swimming pool installation. Because Rainforest fiberglass swimming pools are manufactured in Orlando, Florida, homeowners throughout Florida and the southeastern United States may benefit from shorter transportation distances. Actual delivery expenses depend on the selected pool model, destination, transportation requirements, and installation arrangements.

Property Access

Delivering and positioning a fiberglass swimming pool requires sufficient access for transportation and lifting equipment. Properties with restricted access, narrow side yards, overhead utilities, existing structures, mature trees, or other obstacles may require specialized equipment or additional site preparation. Evaluating property access early in the planning process helps identify potential installation challenges and associated expenses.

Soil Conditions and Groundwater

Soil characteristics and groundwater conditions can significantly influence installation requirements. Rocky soil, expansive clay, unstable ground, elevated groundwater levels, poor drainage, and sloping properties may require additional excavation, drainage systems, foundation preparation, or retaining structures.

Addressing these conditions properly is essential to the long-term performance of your fiberglass swimming pool.

Permitting and Local Requirements

Building permits, electrical permits, engineering requirements, inspections, zoning regulations, and swimming pool safety requirements vary by jurisdiction. Homeowners association requirements may also influence the design, placement, and construction of a swimming pool. These expenses should be considered when establishing your overall project budget.

Swimming Pool Equipment

Your equipment package influences both the initial investment and ongoing operating expenses.

Variable-speed pumps, filtration systems, heating and chilling equipment, automatic cleaners, sanitization systems, automation controls, and swimming pool covers can all affect the total project cost. *Selecting appropriately sized, quality equipment can contribute to greater convenience, reliable performance, and manageable long-term operating expenses.*

Customization and Finishing Materials

The materials and features selected to complete your swimming pool environment can significantly influence your overall investment. Decorative waterline tile, travertine, porcelain pavers, natural stone, LED lighting, waterfalls, bubblers, and other enhancements allow homeowners to create distinctive outdoor living environments. Establishing priorities early helps balance desired features with available financial resources. Explore our **Fiberglass Pool Customization Options** for inspiration.

Understanding Your Complete Project Budget

When planning your swimming pool investment, it is important to consider the complete project rather than focusing exclusively on the swimming pool itself. The following categories can help homeowners identify expenses that should be addressed when reviewing installation proposals.

Budget Category	Items to Consider
Pool shell and delivery	Selected model, gelcoat finish, transportation and placement
Site preparation	Excavation, soil removal, property access and drainage
Installation	Foundation preparation, backfill, plumbing and structural support
Equipment	Pump, filter, sanitization and optional heating or chilling
Electrical	Equipment connections, lighting, grounding and bonding
Permits and inspections	Building permits, engineering and applicable local requirements
Coping and decking	Patio materials, walkways and surrounding surfaces
Customization	Tile, water features, lighting and automation
Safety requirements	Fencing, gates, alarms and approved safety covers

Outdoor living improvements	Landscaping, outdoor kitchens, pergolas and furnishings
Property restoration	Lawn repair, irrigation, fencing and landscape restoration
Contingency	Unforeseen site conditions or additional construction requirements

Not every project requires every item listed above. However, discussing these categories with your pool builder can help identify potential expenses before construction begins.

How to Maximize Your Swimming Pool Budget

Creating an exceptional backyard does not necessarily require selecting every available feature or the largest swimming pool model. *Thoughtful planning can help homeowners achieve the outdoor living environment they desire while making the most of their investment*.

Select the Right Pool Size

Choose a swimming pool that reflects how you intend to use it rather than simply selecting the largest model your property can accommodate. A smaller swimming pool may provide everything you need for recreation, relaxation, and entertaining while preserving space and financial resources for surrounding outdoor living features.

Prioritize Integrated Features

Selecting a fiberglass swimming pool with built-in seating, convenient entry steps, an integrated tanning ledge, or an integrated spa may provide desired functionality without requiring separately constructed features. *Consider which features are most important to your everyday enjoyment*.

Invest in Quality Installation

Proper foundation preparation, drainage, backfilling, plumbing, and electrical work are essential to the long-term performance of your swimming pool. While decorative enhancements may be added or upgraded in the future*, the quality of the original installation should never be compromised to reduce initial expenses*.

Choose Equipment with Long-Term Value

Energy-efficient equipment, appropriately sized filtration systems, and convenient maintenance accessories may provide benefits throughout years of swimming pool ownership. *Consider equipment performance, operating expenses, maintenance*

requirements, and expected service life rather than evaluating equipment solely by its initial purchase price.

Consider Completing Outdoor Improvements in Phases

Some homeowners choose to complete their swimming pool and essential surrounding construction first, then add complementary outdoor living features over time. Outdoor kitchens, pergolas, additional landscaping, decorative furnishings, and other amenities may be incorporated later, provided the initial project is designed to accommodate future improvements. *Discuss future plans with your builder so that necessary electrical connections, plumbing, drainage, and construction accommodations can be incorporated during the original installation*.

Comparing Swimming Pool Installation Proposals

Obtaining detailed written proposals allows homeowners to understand what is included in the project and evaluate competing estimates more effectively. *A lower proposal price does not necessarily represent better overall value if important equipment, construction requirements, or finishing elements are excluded*.

When reviewing a swimming pool installation proposal, confirm the following:

- Exact swimming pool model, dimensions, and selected finish.
- Transportation, delivery, and placement expenses.
- Excavation, foundation preparation, and backfill materials.
- Groundwater management and drainage provisions.
- Equipment manufacturers, models, and specifications.
- Plumbing and electrical requirements.
- Coping, decking materials, and included square footage.
- Permitting and inspection responsibilities.
- Included customization features and accessories.
- Property restoration responsibilities.
- Estimated project schedule.
- Payment schedule and change order procedures.
- Manufacturer, equipment, and installation warranty coverage.
- Homeowner orientation and initial equipment instructions.

Ask your builder to identify exclusions, allowances, optional upgrades, and circumstances that could result in additional expenses. *Understanding the complete scope of work helps prevent unexpected costs and allows you to compare proposals based on overall value rather than price alone.*

Understanding Long-Term Ownership Costs

The initial installation price represents only one component of swimming pool ownership.

Ongoing expenses may include:

- Swimming pool chemicals and water testing supplies.
- Electricity for circulation and filtration.
- Heating or chilling expenses.
- Water replenishment.
- Professional maintenance services, if desired.
- Equipment maintenance and eventual replacement.
- Seasonal opening and closing services in colder climates.
- Occasional repairs.

Fiberglass swimming pools offer a significant advantage through their smooth, non-porous gelcoat surfaces, reduced routine cleaning requirements, and durable composite construction. Unlike vinyl liner pools, fiberglass swimming pools do not require periodic liner replacement. They also do not typically require the scheduled plaster resurfacing associated with traditional concrete swimming pools.

Although fiberglass may cost more initially than some alternatives, reduced ongoing maintenance and surface replacement expenses can result in substantially lower ownership costs over time. As illustrated in our earlier 10-Year Pool Ownership Cost Comparison, the financial benefits of fiberglass swimming pool ownership become increasingly apparent when evaluated over an extended period. With proper care, a fiberglass swimming pool can last a lifetime.

Learn more in our **Fiberglass Pool Maintenance Guide**.

Financing Your Swimming Pool

A variety of financing options may be available to homeowners who prefer to spread the cost of their swimming pool investment over time. The most appropriate financing arrangement depends on your financial circumstances, available home equity, credit qualifications, interest rates, and preferred repayment period.

Home Equity Loans

A home equity loan allows homeowners to borrow against the available equity in their property, generally receiving funds as a lump sum with an established repayment schedule.

Home Equity Lines of Credit

A home equity line of credit, commonly referred to as a HELOC, provides access to available credit secured by the homeowner's property. This flexibility may be useful when financing a swimming pool project that includes multiple construction stages or additional outdoor improvements.

Swimming Pool and Home Improvement Loans

Some lenders specialize in swimming pool financing and residential home improvement projects. Available loan amounts, interest rates, repayment terms, and approval requirements vary by lender and individual financial qualifications.

Personal Loans

Unsecured personal loans may provide an alternative for homeowners who prefer not to use their property as collateral. Interest rates, available loan amounts, and repayment terms should be carefully evaluated when comparing financing options.

Evaluating Financing Options

When comparing financing arrangements, consider more than the monthly payment. Important considerations include the annual percentage rate, loan duration, origination fees, total interest expense, repayment flexibility, and whether your home is used as collateral.

A longer repayment period may reduce monthly payments but increase the total amount paid over the life of the loan. *Homeowners are encouraged to compare financing options and consult a qualified financial professional when appropriate.*

Your local pool builder may also be able to provide information about available swimming pool financing resources.

Does a Swimming Pool Increase Home Value?

A thoughtfully designed and professionally installed swimming pool can enhance the appearance, functionality, and desirability of a residential property.

In many communities, particularly those with extended swimming seasons and a strong emphasis on outdoor living, a beautiful swimming pool may represent an attractive feature to prospective homebuyers. The potential impact on property value depends on several factors:

- Geographic location and climate.
- Neighborhood characteristics.

- Local real estate market conditions.
- Quality and condition of the swimming pool.
- Overall backyard design.
- Available outdoor living space.
- Maintenance requirements.
- Preferences of prospective homebuyers.

Fiberglass swimming pools may be particularly appealing to prospective buyers who appreciate durable construction, comfortable swimming surfaces, and reduced ongoing maintenance requirements.

However, an increase in property value is not guaranteed, and homeowners should not assume that the complete cost of a swimming pool installation will be recovered when selling their home. *For many homeowners, the most meaningful return on their investment is the enjoyment experienced throughout years of ownership.*

Explore our **Does a Pool Increase Home Value?** resource for additional information.

Investing in Quality and Long-Term Enjoyment

When investing in a swimming pool, the lowest initial purchase price does not necessarily represent the greatest long-term value.

Manufacturing quality, durable construction, proper installation, equipment performance, maintenance requirements, and manufacturer-backed warranty protection should all be considered when making your purchasing decision. Rainforest Pools n Composites manufactures fiberglass swimming pools in Orlando, Florida, with a commitment to quality craftsmanship, attractive designs, and long-term homeowner enjoyment.

Our fiberglass swimming pools are backed by a **Lifetime Structural Warranty and a 15-Year Surface Warranty**.

By thoughtfully planning your investment and selecting a swimming pool that complements your lifestyle, you can create an outdoor living environment that provides lasting enjoyment for you, your family, and your friends.

Ready to explore the possibilities for your property? Visit our **Find a Builder** resource to connect with an independent pool builder serving your area.

PLANNING YOUR SWIMMING POOL PROJECT

A successful swimming pool project begins with thoughtful planning. Before construction begins, evaluating your property, understanding local requirements, and considering how

your swimming pool will integrate with your home can help create a beautiful, functional outdoor living environment. Taking the time to address these considerations early can also help minimize unexpected expenses, construction delays, and unnecessary changes during installation.

Evaluating Your Property

Every property presents different opportunities and considerations when planning an inground swimming pool. Begin by identifying the area where you envision placing your pool and considering how it will relate to your home, existing patio, landscaping, and other outdoor living features.

Consider the following:

- Available backyard space.
- Existing structures and patios.
- Property boundaries and easements.
- Underground and overhead utilities.
- Existing trees and landscaping.
- Property elevations and drainage patterns.
- Access for pool delivery and construction equipment.
- Sun exposure and prevailing winds.
- Privacy and views from neighboring properties.
- Space for pool equipment and future outdoor improvements.

A professional site evaluation can help determine which swimming pool models and installation approaches are appropriate for your property.

Property Surveys, Setbacks and Easements

A current property survey is one of the most valuable documents when planning a swimming pool installation. It helps identify property boundaries, existing structures, easements, and other information that may influence where a swimming pool can be installed.

Property Setbacks

Local zoning and building regulations may establish minimum distances between a swimming pool and property boundaries, homes, accessory structures, or other features. These requirements vary by jurisdiction and can influence the size and placement of your swimming pool, decking, and equipment.

Easements

Utility, drainage, access, and other recorded easements may restrict construction within certain portions of your property. Understanding the location and purpose of these easements early in the planning process can help prevent conflicts and costly design changes.

Impervious Surface Requirements

Some communities regulate the percentage of a residential property that can be covered by impervious surfaces, including swimming pools, patios, driveways, and other improvements. Depending on local regulations, these restrictions may influence the size of the pool, surrounding decking, and drainage requirements.

Reviewing your property survey and applicable local requirements before finalizing your swimming pool design is an important first step.

Property Access and Pool Delivery

Fiberglass swimming pools are transported from our manufacturing facility as complete, one-piece shells. Adequate access must therefore be considered when planning delivery and installation. *Your pool builder will evaluate the route from the delivery vehicle to the proposed swimming pool location.*

Potential access considerations include:

- Narrow side yards.
- Existing fencing and gates.
- Overhead power lines.
- Mature trees and landscaping.
- Adjacent buildings and structures.
- Property slopes.
- Septic systems and drain fields.
- Limited space for excavation and lifting equipment.

Restricted access does not necessarily prevent the installation of a fiberglass swimming pool. Specialized lifting equipment, including cranes, can often provide solutions for properties with challenging access conditions. However, these requirements should be identified early because they may influence installation arrangements and overall project costs.

Understanding Soil and Ground Conditions

The conditions beneath your backyard are just as important as the visible characteristics of your property. Different soil types present different installation considerations, and understanding these conditions helps ensure that the swimming pool is properly supported throughout its lifetime.

Sandy Soils

Sandy soils are common throughout Florida and many coastal regions. Although they often provide favorable drainage characteristics, soil stability, groundwater levels, and excavation conditions must still be evaluated.

Clay and Expansive Soils

Clay soils can expand when saturated and contract during dry conditions. These changes may create additional considerations for foundation preparation, drainage, and structural support.

Rocky Ground

Properties containing rock, limestone, or shallow bedrock may require specialized excavation equipment and additional site preparation.

Fill and Previously Disturbed Soil

Properties that have been developed using imported fill material or previously disturbed soil may require additional evaluation to determine whether the proposed installation area provides suitable support.

Seasonal Freeze-Thaw Conditions

In colder climates, seasonal freezing and thawing can affect surrounding soil conditions. Proper foundation preparation, backfilling, drainage, and winterization are important considerations for long-term swimming pool performance.

Every installation should be approached according to its individual site conditions and applicable engineering and manufacturer requirements.

Groundwater and Drainage

Groundwater management is an important consideration when installing any inground swimming pool. Groundwater levels can vary throughout the year, influenced by rainfall, seasonal weather patterns, nearby bodies of water, and local soil conditions.

Properties located near lakes, rivers, canals, coastal areas, or regions with naturally high water tables may require additional groundwater management provisions.

Proper drainage around the swimming pool helps manage surface water and reduce unnecessary water accumulation around the pool shell. Depending on the property, appropriate measures may include:

- Proper grading of surrounding surfaces.
- Drainage systems.
- Groundwater observation or dewatering access points.
- Suitable foundation and backfill materials.
- Retaining structures where necessary.
- Stormwater management provisions.

These considerations should be addressed during the planning and installation process rather than after the swimming pool has been completed.

Sloping Properties and Elevation Changes

A sloping backyard does not necessarily prevent the installation of a fiberglass swimming pool. In fact, changes in elevation can provide opportunities to create distinctive outdoor living environments. Depending on the property, a swimming pool project may incorporate retaining walls, terraced patios, raised spas, decorative water features, or multiple outdoor living levels.

However, sloping properties require careful consideration of soil stability, drainage, structural support, and the relationship between the swimming pool and surrounding structures. Retaining walls and other structural improvements may require additional engineering and permits. Evaluating these requirements during the initial planning process helps ensure that the finished backyard is both attractive and functional.

Understanding Underground and Overhead Utilities

Existing utilities must be identified before excavation begins.

These may include:

- Electrical service lines.
- Natural gas lines.
- Water supply lines.
- Sewer lines.
- Septic tanks and drain fields.
- Irrigation systems.
- Telecommunications cables.

- Underground drainage systems.
- Overhead electrical lines.

Contacting the appropriate utility notification service before excavation is an essential part of construction planning. In the United States, homeowners and contractors can access utility-location resources through **811 Before You Dig**.

Privately installed utilities, irrigation systems, and certain other underground infrastructure may require separate identification. *Planning around existing utilities can help minimize unnecessary relocation expenses and construction complications*.

Sun Exposure, Shade and Privacy

The placement of your swimming pool can significantly influence your everyday enjoyment.

Sun Exposure

A sunny swimming pool location may provide naturally warmer water and create an inviting environment for sunbathing and relaxation. In warmer climates, however, incorporating shaded areas can improve comfort during the hottest parts of the day.

Trees and Landscaping

Existing trees can provide attractive shade and privacy, but their proximity to the swimming pool should be carefully considered. Falling leaves, pollen, seeds, branches, and root systems may affect maintenance requirements, construction planning, and surrounding patio materials.

Privacy

Strategic landscaping, privacy fencing, decorative screens, and architectural features can help create a more intimate outdoor environment. Privacy should be considered from both inside the swimming pool and the surrounding patio and entertaining areas.

Wind Exposure

Prevailing winds can influence water evaporation, heat loss, debris accumulation, and overall swimming comfort. Thoughtful landscaping and appropriately positioned outdoor structures can help create a more comfortable backyard environment.

Homeowners Association Requirements

If your property is located within a community governed by a homeowners association, review its requirements before finalizing your swimming pool plans.

HOA requirements may address:

- Swimming pool placement.
- Property setbacks.
- Fence styles and materials.
- Screen enclosures.
- Patio and decking materials.
- Equipment visibility.
- Landscaping and privacy features.
- Construction access and working hours.
- Architectural design approvals.

Some associations require detailed plans, property surveys, material samples, or construction drawings before approving a swimming pool project. Obtaining the necessary approvals early can help prevent delays and ensure your design is compatible with community requirements.

HOA approval is separate from any permits or approvals required by local government agencies.

Building Permits and Local Regulations

Inground swimming pool installations generally require permits and must comply with applicable building, zoning, electrical, plumbing, and safety requirements. Specific requirements vary according to your geographic location and the authority responsible for regulating residential construction.

Depending on the project, requirements may include:

- Residential swimming pool building permits.
- Electrical and plumbing permits.
- Site plans and engineering documentation.
- Structural inspections.
- Electrical grounding and bonding inspections.
- Swimming pool barrier requirements.
- Drainage or stormwater approvals.
- Final construction inspections.

Your local pool builder can help identify applicable requirements and coordinate the permitting and inspection process according to the scope of your installation agreement. Homeowners should understand which permits and approvals are included in their builder's proposal and confirm that required inspections are completed.

Rainforest's **Fiberglass Pool Locations** resources provide additional information about swimming pool planning in many communities, including regional soil conditions, local considerations, and helpful homeowner resources.

Planning for Swimming Pool Safety

Safety should be incorporated into the swimming pool design from the beginning rather than treated as an afterthought. Properly planned safety features can help create an enjoyable outdoor environment for homeowners, family members, and guests.

Depending on applicable local requirements and individual household needs, safety considerations may include:

- Approved swimming pool barriers and fencing.
- Self-closing, self-latching gates.
- Door and gate alarms.
- Approved swimming pool safety covers.
- Adequate lighting around the pool.
- Appropriate slip-resistant surrounding surfaces.
- Convenient entry steps and handrails.
- Accessible rescue equipment.

Multiple layers of protection are recommended, particularly in households with children.

Safety equipment does not replace active adult supervision, and children should never be left unattended in or around a swimming pool.

Additional residential swimming pool safety information is available through the U.S. Consumer Product Safety Commission's **Pool Safely** initiative.

Planning Your Pool Equipment Location

The location of your swimming pool equipment should be considered before construction begins. Circulation pumps, filtration systems, sanitization equipment, and optional heating or chilling systems require suitable installation space.

When selecting an equipment location, consider accessibility for maintenance, ventilation, electrical connections, plumbing distances, equipment noise, drainage, and applicable clearance requirements. Equipment screening or landscaping can help maintain an attractive backyard appearance, provided necessary airflow, service access, and manufacturer-required clearances are preserved.

A thoughtfully planned equipment area contributes to both the appearance and functionality of your completed swimming pool project.

Planning for Future Outdoor Living Improvements

Your swimming pool project may represent the beginning of a larger backyard transformation. Even if certain outdoor improvements will be completed later, considering them during the initial planning process may help reduce future construction expenses and unnecessary disruption.

Future improvements might include:

- An outdoor kitchen or dining area.
- A covered patio or pergola.
- A standalone spa or tanning ledge.
- Additional water features.
- Expanded decking.
- Landscape lighting.
- Outdoor electrical outlets.
- Additional landscaping.
- An outdoor shower.
- A screen enclosure.

Planning for future plumbing, electrical connections, drainage, and equipment requirements may make these additions easier to incorporate.

Explore our **Fiberglass Pool Customization Options** for additional inspiration.

Swimming Pool Project Planning Checklist

Use the following checklist to help prepare for your initial swimming pool consultation.

Property Information

- ☐ Locate a current property survey.
- ☐ Identify the proposed swimming pool location.
- ☐ Review property boundaries and recorded easements.
- ☐ Identify existing utilities, septic systems, and drainage features.
- ☐ Consider access for delivery and construction equipment.
- ☐ Review existing trees, landscaping, and structures.

Pool Design and Backyard Planning

- ☐ Explore swimming pool models and dimensions.
- ☐ Identify your preferred pool shape and depth.

- ☐ Consider integrated seating, tanning ledges, and spa options.
- ☐ Select preferred gelcoat colors and decorative finishes.
- ☐ Identify desired decking and outdoor living features.
- ☐ Consider heating, chilling, lighting, and equipment preferences.
- ☐ Allow space for future outdoor improvements.

Approvals and Safety

- ☐ Review local zoning and building requirements.
- ☐ Review homeowners association requirements, if applicable.
- ☐ Identify necessary permits and approvals.
- ☐ Consider swimming pool barriers and safety equipment.
- ☐ Discuss drainage and groundwater management requirements.

Financial Planning

- ☐ Establish an overall project budget.
- ☐ Identify essential features and optional upgrades.
- ☐ Consider ongoing ownership expenses.
- ☐ Explore financing options, if needed.
- ☐ Allow for unforeseen site conditions and additional expenses.

Taking the Next Step

Thoughtful planning provides the foundation for a successful swimming pool installation and an outdoor living environment you can enjoy for years to come.

By evaluating your property, identifying potential construction considerations, and establishing your design priorities, you will be better prepared to discuss your project with a local pool builder.

Rainforest Pools n Composites manufactures a diverse collection of fiberglass swimming pools in Orlando, Florida, offering designs to complement a wide variety of properties, backyard environments, and lifestyles.

Explore our **Fiberglass Pool Models** and begin discovering the possibilities for your backyard.

When you are ready to discuss your individual property and installation requirements, visit our **Find a Builder** resource to connect with an independent pool builder serving your area.

THE BUYING PROCESS

Purchasing a fiberglass swimming pool is an exciting step toward creating the backyard you have always envisioned. Understanding the buying process can help you make confident decisions, establish realistic expectations, and enjoy a positive experience from your initial consultation through the completion of your swimming pool.

Rainforest Pools n Composites manufactures fiberglass swimming pools in Orlando, Florida, and works with independent local pool builders who manage the sales, installation, and construction of individual homeowner projects.

Connecting with a Local Pool Builder

Selecting an experienced pool builder is one of the most important decisions you will make during your swimming pool project.

Your builder will help translate your vision into a practical construction plan, taking into consideration your property, selected swimming pool model, local building requirements, equipment preferences, customization options, and overall budget. An experienced fiberglass pool builder brings valuable knowledge of local soil conditions, groundwater management, construction practices, permitting requirements, and installation techniques.

Rainforest can help connect you with an independent pool builder serving your community through our **Find a Builder** resource.

Selecting Your Swimming Pool Builder

When evaluating potential pool builders, consider their experience, qualifications, communication style, construction practices, and reputation.

Important considerations include:

- Experience installing inground fiberglass swimming pools.
- Applicable contractor licenses and insurance.
- Knowledge of local soil and groundwater conditions.
- Familiarity with local permitting and construction requirements.
- Photographs of completed swimming pool projects.
- References from previous customers.
- Clearly defined installation practices.
- Detailed written proposals.
- Installation warranty coverage.
- Availability of ongoing service and support.

A quality pool builder should be willing to explain the installation process, answer your questions, discuss potential challenges, and help you understand the scope of your investment. Clear communication and mutual understanding contribute significantly to a successful swimming pool project.

Your Initial Swimming Pool Consultation

The initial consultation provides an opportunity to discuss your vision, explore swimming pool models, establish project priorities, and identify potential property considerations.

To make the most of your consultation, consider having the following information available:

- ☐ A current property survey, if available.
- ☐ Photographs of your backyard.
- ☐ Preferred swimming pool models.
- ☐ Your anticipated project budget.
- ☐ Desired pool colors and customization features.
- ☐ Equipment and heating or chilling preferences.
- ☐ Ideas for decking, landscaping, and outdoor living features.
- ☐ Your preferred project completion timeframe.

Your builder can help refine these selections based on your property's characteristics, installation requirements, and overall project budget.

Refer to the Swimming Pool Project Planning Checklist in the previous chapter to help prepare for your consultation.

Professional Site Evaluation

A professional site evaluation allows your builder to assess the proposed swimming pool location and identify construction considerations that may influence the project. During this evaluation, your builder may review property access, available installation space, setbacks, easements, soil conditions, groundwater, drainage, existing utilities, equipment placement, and surrounding structures. The information gathered during this process helps determine whether your preferred swimming pool model is suitable for your property and whether additional construction measures may be necessary.

Identifying these considerations before finalizing your swimming pool purchase can help minimize unexpected expenses and construction delays.

Finalizing Your Swimming Pool Design

Once your property has been evaluated, you can work with your builder to finalize the swimming pool design and overall project scope.

This may include selecting your:

- Fiberglass swimming pool model.
- Gelcoat color.
- Integrated or standalone tanning ledge.
- Integrated or standalone spa.
- Decorative waterline tile.
- Coping and decking materials.
- Underwater lighting.
- Water features.
- Circulation and filtration equipment.
- Heating or chilling systems.
- Automation controls.
- Swimming pool safety features.
- Surrounding outdoor living improvements.

Review your selections carefully to ensure they complement your lifestyle, available space, and financial priorities. Explore our **Fiberglass Pool Models**, **Fiberglass Pool Colors**, and **Customization Options** for additional inspiration.

Understanding Your Swimming Pool Proposal

Your written swimming pool proposal should clearly describe the products, equipment, materials, construction services, and finishing elements included in your project. As discussed in the Cost Considerations chapter, comparing proposals requires more than reviewing the total price. A comprehensive proposal helps establish a shared understanding of what will be delivered, who is responsible for each portion of the project, and what circumstances could result in additional expenses.

Ask questions about anything that is unclear before approving the proposal.

Understanding Your Swimming Pool Contract

Before construction begins, carefully review the written agreement provided by your pool builder. Your contract should clearly identify the agreed-upon project scope, financial arrangements, construction responsibilities, and applicable warranty coverage.

Important contract considerations include:

Contract Item	What to Review
Project scope	Included products, materials, equipment, and construction services

Pool specifications	Selected model, dimensions, color, and integrated features
Total contract price	Agreed price, allowances, exclusions, and optional upgrades
Payment schedule	Deposit requirements and subsequent construction payments
Project schedule	Anticipated start date, construction stages, and estimated completion
Permits and inspections	Responsibilities for obtaining approvals and completing inspections
Site conditions	Procedures for addressing unforeseen construction requirements
Change orders	Written approval and pricing of changes to the original agreement
Property restoration	Responsibilities for repairing affected areas of the property
Warranty coverage	Separate manufacturer, installation, and equipment warranties
Project completion	Final walkthrough, equipment orientation, and delivery of documentation

Contract requirements and consumer protections vary by location. Homeowners should review their agreements carefully and seek professional advice when appropriate.

Deposits and Construction Payments

Swimming pool builders commonly establish payment schedules that correspond to the purchase of materials, delivery of the swimming pool shell, and progress through various construction stages. Payment arrangements vary among builders and individual projects.

Before signing your agreement, make sure you understand:

- The initial deposit requirement.
- When subsequent payments become due.
- Which construction milestones are associated with each payment.
- How additional work or upgrades will be billed.
- Cancellation and refund provisions.
- Requirements for final payment.

Maintain copies of your contract, payment receipts, approved change orders, and related correspondence throughout your swimming pool project.

Understanding Changes During Construction

Even a carefully planned swimming pool project may require adjustments once construction begins. Unforeseen soil conditions, underground obstructions, groundwater, utility conflicts, or changes requested by the homeowner may influence the original project scope.

A written change order should clearly describe the proposed modification, associated costs, and any anticipated effect on the construction schedule. Reviewing and approving changes before additional work proceeds helps maintain clear communication and minimizes misunderstandings.

Understanding Who Is Responsible for What

A completed fiberglass swimming pool project involves several products, services, and areas of expertise. Understanding the responsibilities of each party helps homeowners know where to direct questions throughout construction and ownership.

Rainforest Pools n Composites — Your Pool Manufacturer

As the manufacturer of your fiberglass swimming pool shell, Rainforest is responsible for the manufacturing quality, product specifications, and applicable manufacturer warranty coverage.

We also provide product information, homeowner educational resources, and fiberglass pool care guidance.

Your Independent Pool Builder

Your pool builder is responsible for the installation services and construction activities included in your agreement.

These may include property evaluation, permitting, excavation, foundation preparation, pool placement, plumbing, backfilling, equipment installation, electrical coordination, decking, and other agreed-upon improvements.

Installation workmanship and construction-related warranty coverage are provided according to your agreement with your builder.

Equipment Manufacturers

Pumps, filters, heaters, chillers, automation systems, lighting, and other accessories may carry separate warranties from their respective manufacturers.

Retain the product documentation, warranty information, and registration instructions for your installed equipment.

Your Responsibilities as a Homeowner

Following completion of your swimming pool, proper operation, routine maintenance, balanced water chemistry, and appropriate seasonal care become important responsibilities of pool ownership. Your builder should provide an orientation to your swimming pool equipment and operating procedures.

Additional care information is available in our **Fiberglass Pool Maintenance Guide**.

Preparing for Construction

Once your swimming pool selections have been finalized, your agreement approved, and the necessary permits and approvals obtained, your builder can coordinate the construction schedule. Before work begins, discuss practical arrangements such as:

- Access for construction equipment and pool delivery.
- Temporary removal of fencing or landscaping.
- Protection of existing structures and property features.
- Arrangements for children and pets during construction.
- Temporary disruptions to outdoor living areas.
- Construction vehicle parking.
- Material storage and soil removal.
- Communication regarding project progress.

Your builder should identify any preparations that need to be completed by the homeowner before construction begins. Understanding what to expect can make the construction experience more manageable and help minimize disruption to your daily routine.

Your Final Walkthrough and Homeowner Orientation

As your swimming pool project approaches completion, arrange a final walkthrough with your builder. This provides an opportunity to review the completed work, confirm that the agreed-upon features have been installed, discuss any remaining items, and become familiar with your swimming pool's operation.

Your homeowner orientation should address:

- Operating the circulation pump and filtration system.
- Testing and maintaining proper water chemistry.
- Operating sanitization equipment.
- Using heating, chilling, and automation systems.
- Operating swimming pool lighting and water features.

- Cleaning and maintaining fiberglass gelcoat surfaces.
- Using pool covers and safety equipment.
- Understanding seasonal maintenance requirements.
- Identifying appropriate service and warranty contacts.

Before accepting the completed project, obtain copies of relevant permits, final inspection records, equipment manuals, warranty documents, and your swimming pool's serial number.

Maintain these documents with your homeowner records for future reference.

From Your Vision to Reality

Purchasing a fiberglass swimming pool involves a series of important decisions, from selecting the right model and builder to finalizing the design and preparing your property for construction***. By asking questions, reviewing written proposals carefully, and maintaining open communication with your builder, you can approach the buying process with greater confidence.*** At Rainforest Pools n Composites, our goal is to provide homeowners with beautifully designed, quality-manufactured fiberglass swimming pools that deliver lasting enjoyment.

Once your swimming pool has been selected and your project details finalized, the next exciting stage begins: transforming your backyard through the installation process.

THE INSTALLATION PROCESS

From Our Manufacturing Facility to Your Backyard

One of the most significant advantages of a fiberglass swimming pool is its efficient installation process. Because the pool shell is manufactured as a complete, one-piece structure at our Orlando, Florida, facility, many of the construction stages associated with traditional site-built swimming pools are eliminated.

Although every property presents different installation requirements, the process generally follows these stages.

Site Preparation and Excavation

The designated swimming pool area is excavated according to the dimensions and specifications of the selected pool model. A suitable foundation is prepared to provide stable, uniform support beneath the fiberglass shell.

Pool Delivery and Placement

Your Rainforest fiberglass swimming pool is transported to your property and carefully positioned within the prepared excavation using appropriate lifting equipment.

Plumbing, Backfilling and Water Filling

Pool plumbing is installed, and suitable backfill materials are placed around the shell. Clean 3/8-inch crushed stone is the preferred material, although suitable sand may be used where appropriate and thoroughly washed in. Water filling and backfilling are coordinated to maintain balanced pressure and provide uniform support around the swimming pool shell.

Equipment Installation

The circulation pump, filtration system, sanitization equipment, electrical connections, and selected accessories are installed and prepared for operation.

Coping, Decking and Finishing Touches

The surrounding swimming pool environment takes shape with the installation of coping, decking, decorative features, landscaping, and applicable safety barriers.

Final Inspection and Homeowner Orientation

Required inspections are completed, equipment operation is demonstrated, and homeowners receive guidance on water chemistry, routine maintenance, and swimming pool care.

How Long Does Fiberglass Pool Installation Take?

Because fiberglass swimming pools arrive as completed shells, the on-site construction process is generally considerably shorter than that of traditional concrete swimming pools.

Under favorable conditions, a straightforward fiberglass pool installation may be completed within a few weeks after excavation begins. The overall project timeline will depend on permitting, weather, property conditions, equipment selection, decking, landscaping, and the complexity of the surrounding outdoor improvements.

Your independent pool builder can provide a more accurate timeline based on your individual project.

Discover the Installation Process

To learn more about how fiberglass swimming pools are installed, including detailed explanations and installation photographs, visit our comprehensive **Fiberglass Pool Installation Guide**.

From manufacturing and delivery to the finishing touches, watching your Rainforest fiberglass swimming pool become a beautiful backyard retreat is an exciting part of the ownership experience.

WARRANTY AND CUSTOMER SUPPORT

Confidence in Your Swimming Pool Investment

Choosing a swimming pool manufacturer that stands behind its products is an important part of making a confident purchasing decision.

At Rainforest Pools n Composites, our commitment to quality craftsmanship, premium materials, and durable fiberglass construction is reflected in our manufacturer-backed warranty protection.

Our fiberglass swimming pools are backed by:

Lifetime Structural Warranty

Our Lifetime Limited Warranty provides 35 years of structural coverage for the fiberglass swimming pool shell against qualifying manufacturing defects. This long-term protection reflects our confidence in the materials, craftsmanship, and structural construction incorporated into our swimming pools.

15-Year Surface Warranty

Our 15-Year Surface Warranty provides protection against osmotic blistering of the fiberglass pool's gelcoat finish. Our use of premium marine-grade gelcoat and vinyl ester resin barrier protection contributes to the quality and long-term performance of our swimming pool surfaces.

Transferable Warranty Protection

Rainforest's Lifetime Limited Warranty includes a one-time transfer provision, subject to the applicable requirements. This can provide added reassurance to homeowners who may eventually sell their property.

View our official **Lifetime Limited Warranty** for complete coverage details, conditions, and transfer requirements.

Understanding Your Swimming Pool Warranties

Your completed swimming pool project may include several types of warranty protection.

Warranty	Provided By
Fiberglass pool shell and gelcoat coverage	Rainforest Pools n Composites
Installation and construction workmanship	Your independent pool builder
Pumps, filters, heaters, and other equipment	Respective equipment manufacturers
Additional accessories and outdoor living features	Respective suppliers or contractors

Together, these warranties address different components of your swimming pool investment.

Ongoing Homeowner Support

Our commitment to homeowners extends beyond manufacturing your swimming pool.

Rainforest provides helpful resources designed to support you throughout your pool ownership experience, including:

- **Fiberglass Pool Maintenance Guide**
- **Use and Care Manual**
- **Service and Warranty Assistance**

These resources provide valuable information about caring for your fiberglass swimming pool, maintaining its beautiful finish, and protecting your investment.

Designed for a Lifetime of Enjoyment

Every Rainforest fiberglass swimming pool is manufactured in Orlando, Florida, with attention to structural strength, quality materials, attractive finishes, and skilled craftsmanship.

With proper care, a fiberglass swimming pool can last a lifetime. Our **Lifetime Structural Warranty and 15-Year Surface Warranty** provide additional confidence as you invest in a beautiful outdoor living environment designed for years of enjoyment.

FREQUENTLY ASKED QUESTIONS

Are fiberglass pools worth the investment?

Absolutely. While a fiberglass swimming pool may cost more initially than some alternatives, it can cost substantially less over time due to reduced ongoing maintenance expenses. Durable composite construction, simplified cleaning, and the absence of periodic liner replacement or scheduled plaster resurfacing contribute to excellent long-term ownership value.

Learn more in our **Fiberglass Pool Benefits** guide.

How long do fiberglass swimming pools last?

With proper care, a fiberglass swimming pool can last a lifetime. Rainforest's quality composite construction, premium materials, proper installation, and routine maintenance all contribute to the long-term durability and appearance of your swimming pool.

Learn more in our **Fiberglass Pool Maintenance Guide**.

Can a fiberglass pool be installed in a small backyard?

Yes. Fiberglass swimming pools are available in a variety of compact shapes and sizes to accommodate smaller properties. Small pools, cocktail pools, and plunge pools offer excellent opportunities for homeowners who want to enjoy an inground swimming pool while preserving space for other outdoor living features.

Explore our **Small Fiberglass Pools**.

Can a fiberglass pool be installed if backyard access is limited?

Limited backyard access does not necessarily prevent the installation of a fiberglass swimming pool. Specialized lifting equipment and cranes can often accommodate challenging properties. Your pool builder can evaluate access conditions and determine the most appropriate delivery and installation method.

Can fiberglass pools be installed in colder climates?

Yes. Fiberglass swimming pools are suitable for both warm and cold climates. Proper installation, foundation preparation, drainage, and seasonal winterization contribute to long-term performance in regions that experience freezing temperatures and seasonal freeze-thaw conditions.

Heating equipment can also help extend the comfortable swimming season.

Can a fiberglass pool be partially installed above ground?

Certain properties may accommodate partially elevated fiberglass swimming pool installations when appropriately engineered. Sloping properties and changes in elevation can offer opportunities for distinctive backyard designs incorporating retaining walls, raised patios, and decorative water features.

The proposed installation must provide appropriate structural support and comply with manufacturer requirements and applicable building regulations.

Can the shape or dimensions of a fiberglass pool be customized?

Fiberglass swimming pools are manufactured using precision molds that determine their shape, dimensions, depth, and integrated features. Although the shell's basic configuration is predetermined, homeowners have extensive opportunities to personalize the finished swimming pool through colors, tile, lighting, water features, decking, standalone spas, and tanning ledges.

Explore our **Fiberglass Pool Models** and **Customization Options**.

Can I add features to my swimming pool later?

Many swimming pool and outdoor living enhancements can be added after the original installation. However, planning for future improvements before construction begins can help reduce additional expenses and disruption.

If you anticipate adding heating equipment, automation, water features, a standalone spa, or other outdoor amenities, discuss these possibilities with your builder during the initial planning process.

What happens if my fiberglass pool needs a repair?

Fiberglass is a repairable composite material. Many surface imperfections and localized areas of damage can be professionally repaired using appropriate fiberglass materials and techniques.

Homeowners should contact Rainforest or a qualified fiberglass pool repair professional for guidance before undertaking repairs.

Do fiberglass swimming pools require resurfacing?

Fiberglass swimming pools do not typically require scheduled resurfacing as part of routine ownership. Unlike traditional plaster-finished concrete pools or vinyl liner pools,

fiberglass swimming pools feature an integrated gelcoat surface designed for long-term performance.

Proper water chemistry and regular maintenance help preserve the beauty and longevity of the gelcoat finish.

Can I purchase a swimming pool directly from Rainforest?

Rainforest Pools n Composites is a fiberglass swimming pool manufacturer that supplies its products through a network of independent pool builders. Our builders provide project-specific pricing, property evaluations, installation services, equipment selections, and surrounding outdoor construction.

This allows homeowners to benefit from our specialized manufacturing expertise while working with local professionals familiar with regional construction requirements.

How do I get a quote for a Rainforest fiberglass swimming pool?

The best way to obtain accurate pricing is to discuss your individual swimming pool project with a local pool builder. Your selected pool model, property conditions, equipment preferences, customization options, and surrounding outdoor improvements will influence the overall investment.

Rainforest can help you connect with an independent pool builder serving your community.

Visit our **Find a Builder** resource to get started.

CONCLUSION AND NEXT STEPS

Your Dream Backyard Begins Here

A swimming pool is more than an addition to your property. It is a place to relax, reconnect with family and friends, enjoy the outdoors, and create lasting memories.

Throughout this Buyer's Guide, we have explored the advantages of fiberglass swimming pools, the importance of quality manufacturing, the variety of available pool designs, customization possibilities, investment considerations, and the steps involved in planning and purchasing your swimming pool.

With proper care, a fiberglass swimming pool can last a lifetime. Its durable construction, comfortable swimming surface, reduced maintenance requirements, and favorable long-term ownership costs make it an exceptional investment in your home and lifestyle.

At **Rainforest Pools n Composites**, we take pride in manufacturing beautiful, durable fiberglass swimming pools in Orlando, Florida. Our commitment to quality materials, skilled craftsmanship, thoughtful designs, and homeowner satisfaction is reflected in every swimming pool we manufacture.

Our **Lifetime Structural Warranty and 15-Year Surface Warranty** provide additional confidence in your investment, subject to the terms and conditions of our Lifetime Limited Warranty.

Take the Next Step

Discover Your Ideal Swimming Pool

Explore our collection of fiberglass swimming pools and compare shapes, dimensions, depth configurations, and integrated features to find a design that complements your backyard and lifestyle.

Explore Our Fiberglass Pool Models

Imagine the Possibilities

Discover beautiful gelcoat colors, decorative waterline tile, lighting, water features, and other customization options that can transform your swimming pool into a personalized outdoor retreat.

Explore Fiberglass Pool Customization Options

Connect with a Local Pool Builder

When you are ready to discuss your project, Rainforest can help connect you with an independent local pool builder who can evaluate your property, discuss installation options, and provide personalized project pricing.

Find a Builder

A Lifetime of Backyard Enjoyment Awaits

Whether you envision a relaxing cocktail pool, a contemporary rectangular design, a tropical freeform retreat, or a spacious family swimming pool, Rainforest offers beautiful designs to bring your vision to life.

Manufactured in Orlando, Florida. Designed for your lifestyle. Built for a lifetime of enjoyment.

RAINFOREST POOLS N COMPOSITES

www.RainforestPoolsUSA.com

HELPFUL HOMEOWNER RESOURCES

Our website offers a wealth of information to assist you throughout your swimming pool research, planning, purchasing, and ownership experience.

Explore Our Swimming Pool Collection

- **All Fiberglass Pool Models**
- **Rectangular Fiberglass Pools**
- **Freeform Fiberglass Pools**
- **Small Fiberglass Pools**
- **Tanning Ledge Fiberglass Pools**

Design and Customization

- **Fiberglass Pool Colors**
- **Fiberglass Pool Customization Options**

Research and Plan Your Investment

- **Benefits of Fiberglass Pools**
- **Fiberglass vs. Concrete Pools**
- **Fiberglass Pool Pricing Guide**
- **Does a Pool Increase Home Value?**
- **Fiberglass Pool Installation Guide**
- **Fiberglass Pool Locations and Local Planning Resources**

Learn About Rainforest

- **About Rainforest Pools n Composites**
- **Our Fiberglass Pool Manufacturing Process**

Pool Ownership and Warranty Resources

- **Fiberglass Pool Maintenance Guide**
- **Use and Care Manual**
- **Lifetime Limited Warranty**
- **Service and Warranty Assistance**