

CSI: DIVISION: 13 00 00—SPECIAL CONSTRUCTION  
Section: 13 11 13—Below-Grade Swimming Pools

**Product certification system:**

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

**Products:** Fiberglass One-Piece Swimming Pool and Spa Shells

**Listee:** Rainforest Pools-N-Composites LLC  
263 Hunt Park Grove  
Longwood, FL 32750  
[www.rainforestpoolsandspas.com](http://www.rainforestpoolsandspas.com)

**Compliance with the following codes:**

2024, 2021, 2018, 2015, 2012 and 2009 *International Building Code®* (IBC)  
2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code®* (IRC)  
2024, 2021, 2018, 2015 *International Swimming Pool and Spa Code®* (ISPSC)  
2022, 2019, 2016, 2013 and 2010 *California Building Code®* (CMC)  
2022, 2019, 2016, 2013 and 2010 *California Residential Code®* (CRC)  
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Swimming Pool, Spa and Hot Tub Code (USPSHC)\**  
2023, 2020 and 2017 Florida Building Code® (FBC)  
2023, 2020 and 2017 Florida Residential Code® (FRC)

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**Compliance with the following standards:**

APSP/ANSI/ICC 5-2011, Standard for Residential Inground Swimming Pools  
AC 274, ICC-ES Acceptance Criteria for In-ground, Residential, Fiber-reinforced Plastic Swimming Pools and Permanently Installed Plastic Spas, dated December 2006 (editorially revised July 2017)

**Identification:**

The pool or spa shells are identified by an encoded number on or near the underside of the flange on the outside the pool. This encoded number contains the information for the manufacturer's name, the model designation, a serial number and the ICC-ES PMG listing.

A permanent sign, bearing the following statement, must be attached to the pumping equipment:

Notice: The pool or spa shell is designed to remain full of water at all times. The shell may be damaged if the water level is allowed to drop below the skimmer. When appreciable draw-down is noticed or if it becomes necessary to drain the pool, contact Rainforest Pools-N-Composites LLC for

instructions. A permanent label must be attached adjacent to the above sign indicating the manufacturer's name, distributor's name, address and telephone number and the ICC-ES PMG listing mark.

#### Installation:

The pool or spa shells must be permanently installed in-ground in accordance with this report and the manufacturer's published installation instructions. All plumbing and electrical installations must comply with the applicable codes in effect at the construction site.

Subject to the code official's approval, the pool or spa shell may be installed without a soil investigation by a registered design professional, unless any of the following conditions is encountered at the site:

1. The existence of an uncompacted fill in contact with any portion of the pool shell.
2. The existence of any expansive-type soils unless the pool manufacturer has provided specific instructions regarding expansive soils within their installation instructions.
3. The existence of any soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
4. Danger to adjacent structures posed by the proposed pool location.

If any of the above conditions is encountered, excavation must cease immediately. The site conditions must then be reviewed, and recommendations made, by a registered design professional. The code official must approve the registered design professional's report before work is resumed.

Details specifically for installations in expansive, clay, or adobe soils apply only when supported by the registered design professional's recommendations and approved by the code official.

The pool excavation profile must coincide with the contours of the pool. The over excavation is approximately 6 to 12 inches (152 to 305 mm) on the sides and ends. The over excavation at the pool bottom is approximately 6 inches (152 mm). The base for the pool is a layer of minimum 3-inch-thick (76 mm)  $\frac{1}{4}$  to 1  $\frac{1}{2}$  inch clean chipped stone with no fines matching the pool profile. This chipped stone layer is compacted using a manual tamper or plate compactor. The pool shell must sit firmly on the chipped stone and be within 1 inch (25.4 mm) of level. Simultaneous waterfill and chipped stone backfill operations then commence. The chipped stone is compacted with a tamper. The installer must ensure that the backfill level and water level are approximately the same throughout the filling procedure.

After completion of the backfill, the bond beam and decking must be installed in accordance with the manufacturer's published installation instructions, and as approved by the code official.

#### Models:

The fiberglass pool or spa shells are permanently installed in-ground and are intended for recreational use as swimming pools in residential applications with water circulated through a filter in a closed system. The pools comply with ANSI/NSPI APSP/ANSI-5 as Type O pools.

The fiberglass pool or spa shells consist of one-piece fiberglass construction shop-formed over a mold. The material is minimum 1/4-inch-thick (6.35 mm), fiberglass-reinforced plastic (FRP), composed of unsaturated polyester marine grade gel coat, vinyl ester resin barrier coat, chopped and hand applied fiberglass roving. The surface finish is a 30 mil marine grade unsaturated polyester resin-based gel coat.

Notice: The pool shells are designed to remain full of water at all times. The shell may be damaged if the water level is allowed to drop below the skimmer. When appreciable draw-down is noticed or if it becomes necessary to drain the pool, Rainforest Pools-N-Composites LLC should be contacted for instructions.

## Conditions of Listing:

The pool and spa shells described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

1. The pool or spa shells must be constructed and installed in accordance with this report and the manufacturer's published installation instructions. In the event of conflict, this report governs.
2. Electrical and plumbing installations must comply with the applicable codes in effect at the construction site at the time of construction.
3. Clearances of the pools from slopes set forth in IBC Section 1808.7, CBC Section 1808.7, CRC Section R403.1.7 or IRC Section R403.1.7 must be observed.
4. A barrier must be installed in accordance with IBC Section 3109, ISPSC Section 305, CRC Section AG105 or IRC Section AG105, as applicable.
5. Slip resistance is outside the scope of this evaluation report. Reports of slip resistance tests that demonstrate compliance with Section 8.1 of ANSI/NSPI APSP/ANSI-5 must be submitted for approval by the code official.
6. Pools which are classified as Type O pools are not intended for use with diving boards or other diving equipment.
7. Pools located in flood hazard areas established in accordance with Table R301.2(1) of the IRC must comply with Sections AG101.2 and AG103.3 of the IRC, Section AG101.2 of the CRC or Section 304 of the ISPSC.
8. Suction outlets must be designed and installed in accordance with IBC Section 3109.5, CBC Section 3137B, CRC Section AG106, ISPSC Section 310 and IRC Section AG106.1, if used.
9. The fiberglass pool or spa shells are manufactured under a quality control program with surveillance inspections annually by ICC-ES.

TABLE OF MODELS

MODEL	LENGTH (feet/inches)	WIDTH (feet/inches)	MAX. DEPTH (feet/inches)	CAPACITY (gallons)	POOL TYPE
Belize	29'	14'	6'	11,500	O
Brasilia	30'	14'	6'	11,500	O
Cali Cove	22'-8"	11'-6"	5'	7,000	O
Colombian	26'-4"	11'-5"	5'-4"	8,000	O
Colombian Beach	32'	11'-6"	5'-4"	9,000	O
Colombian Cove	26'-4"	11'-6"	5'-4"	7,500	O
Costa Beach	27'	12'	5'-6"	7,000	O
Costa Rica	25'	12'	5'-6"	7,000	O
Cumba Spa	8'	8"	3'-7"	800	O
Macaw	20'	10'	5'	4,500	O
Natal Tan Ledge	8'	8'	10"	250	O
Neblina Beach	20"	12'	5'	7,000	O
Neblina Grande	16'	8'	5'	3,500	O
Neblina Spa	10'	8'	3'-6"	950	O
Quatro Spa	8'	8'	3'-6"	800	O
Rio Tan Ledge	10'	8'	10"	400	O
Roatan	30'	14'	5'-11"	10,000	O
Roatan Beach	35'	14'	5'-11"	10,000	O
Tabacon Spa	7'-4"	7'	3'	600	O

For SI: 1 foot = 304.8 mm, 1 inch = 25.4 mm, 1 gallon = 3.785 liters.