ICC-ES PMG Product Certificate

PMG-1740

Effective Date: February 2025

This listing is subject to re-examination in one year.

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 or Spa Shells

Listee: Barrier Reef Fiberglass Pools. LLC
165 Evans Way
Timmonsville, SC 29161
www.brpoolusa.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)**

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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 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 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 Barrier Reef Pools for instructions. A permanent label

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

Installation:

The pool 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 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 12 inches (304 mm) on the sides and ends. The over excavation at the pool bottom is approximately 4 inches (101 mm). The backfill for the pool bottom is a layer of minimum 4-inch-thick (101 mm) of #57 stone matching the profile of the pool bottom. The stone layer is compacted using a manual tamper and water. The pool shell must sit firmly on the sand and be within 1 inch (25.4 mm) of level. Simultaneous water fill and sand backfill operations then commence. The stone is compacted with a tamper and water. 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 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 1 or O pools.

The pool shell is minimum 1/4-inch-thick (6.4 mm), fiberglass-reinforced plastic (FRP), composed of vinyl ester resin and fiberglass roving. The surface finish is a resin-based gel coat.
The overall dimensions, depths and capacities of recognized models are shown in Table 1

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, Barrier Reef Pools should be contacted for instructions.

Conditions of Listing:

1. The 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 SPA MODELS

MODEL	LENGTH (feet/inches)	WIDTH (feet/inches)	MAX. DEPTH (feet/inches)	CAPACITY (gallons)
CAPRI SPA	14'-0''	6'-0''	3'-0''	695
CRISPIN	16'-6''	10'-0''	3'-11''	3,100
CUBE SPA	9'-0''	9'-0''	3'-0''	1,215
HORSESHOE SPA	9'-6''	9'-3''	3'-3''	1,318
HORSESHOE SUNDECK	9'-6''	9'-3''	0'-10''	400
OVAL SPA	8'-2''	8'-7''	3'-2''	1,002
PIXIE	16'-6''	10'-0''	3'-11''	3,100
PIXIE SUNDECK	16'-6''	10'-0''	0'-10''	600
RESORT SPA	15'-8''	8'-10''	3'-2''	1,400

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

TABLE OF POOL MODELS

MODEL	LENGTH (feet/inches)	WIDTH (feet/inches)	MAX. DEPTH (feet/inches)	CAPACITY (gallons)	POOL TYPE
ATLANTIC 25	24'-7''	11'-8''	5'-1 1/2''	8500	O
ATLANTIC 29	29'-0''	12'-0''	5'-9 1/2''	10500	O
BILLABONG COVE	35'-3''	16'-0''	6'-5''	17,400	O
BILLABONG SPLASH	27'-0''	13'-0''	5'-6''	10,400	O
BONDI 35	35'-0''	15'-9'	6'-3''	12,832	O
BONDI 40	40'-0''	15'-9'	5'-2''	17,600	O
CASTAWAY 30	30’-1 1/2”	15’-7 1/2''	5’-9 1/2”	12,480	O
CASTAWAY 35	34’-11”	15’-7 1/2''	6’-3”	16,500	O
CORAL CAY 20	20'-0''	9'-6''	4'-9 3/4''	5,346	O
CORAL CAY 26	26'-0''	9'-6''	5'-1 1/2''	7,327	O
CORAL CAY 30	30'-0''	11'-3''	5'-3''	9,125	O
CORAL SEA 31	31'-2''	15'-2''	6'-4''	13,700	O
CORAL SEA 35	35'-5''	15'-2''	6'-4''	15,800	O
CORAL SEA 40	40'-0''	15'-2''	6'-9 1/2''	16,000	O
CORAL SEA LOUNGER 31	31'-2''	15'-2''	6'-4''	13,400	O

CORAL SEA LOUNGER 35	35'-5"	15'-2"	6'-4"	15,800	O
DAYDREAM 33	33'-0"	14'-1"	6'-1"	12,200	O
DAYDREAM 40	40'-0"	14'-1"	6'-3"	15,400	O
GRANDE 23	23'-0"	11'-3"	5'-1 1/2"	7,400	O
GRANDE 29	29'-0"	13'-9"	5'-10 1/2"	12,200	O
GRANDE 35	35'-1"	13'-9"	6'-5"	16,200	O
LAGUNA 23	23'-0"	11'-3"	5'-1 1/2"	7,400	O
LAGUNA 29	29'-0"	13'-9"	5'-10 1/2"	12,200	O
MILANO	23'-0"	11'-0"	4'-4 1/2"	5500	O
OPAL	21'-2"	11'-4"	5'-0"	5,000	O
OUTBACK 23	23-0"	11'-3"	5'-0"	7,300	O
OUTBACK 30	30'-0"	11'-3"	5'-3"	9,800	O
OUTBACK DUNDEE	30'-0"	14'-0"	5'-10"	12,400	O
OUTBACK DUNDEE LOUNGER	30'-0"	14'-0"	5'-10"	12,200	O
OUTBACK ESCAPE	17'-0"	8'-6"	4'-7"	3,400	O
OUTBACK LOUNGER	30'-0"	11'-3"	4'-3"	7,300	O
OUTBACK LOUNGER WIDE	30'-0"	14'-0"	4'-3"	10,530	O
OYSTER 27	27'-0"	13'-7"	5'-6"	8,600	O
OYSTER 30	30'-0"	14'-9"	6'-3"	11,000	O
PACIFIC 33	33'-9"	14'-1"	6'-3"	15,300	O
PACIFIC 37	37'-9"	14'-1"	6'-6"	17,500	O
SOUTHPORT 28	28'-0"	14'-1"	6'-0"	11,500	O
SOUTHPORT 33	33'-5"	14'-1"	6'-3"	16,000	O
SUDBURY 25	25'-0"	14'-4"	5'-7 1/2"	11,500	O
SUDBURY 29	29'-0"	14'-4"	5'-11 1/2"	13,800	O
SYDNEY HARBOUR 35	34'-2"	14'-11"	6'-4"	13,987	O
SYDNEY HARBOUR 40	39'-10 1/2"	14'-11"	6'-7 1/2"	17,500	O
WHITSUNDAY 30	30'-0"	15'-8"	6'-1"	15,000	O
WHITSUNDAY SLIM	35'-0"	14'-0"	6'-2"	16,650	O
WHITSUNDAY 35	35'-0"	15'-8"	6'-4"	18,000	O
WHITSUNDAY 40	40'-0"	15'-8"	6'-10"	22,000	O
WHITSUNDAY Deep 40	40'-0"	15'-7"	8'6"	28,350	O
WHITSUNDAY LOUNGER 30	30'-0"	15'-8"	6'-1"	14,700	O
WHITSUNDAY LOUNGER 35	35'-0"	15'-8"	6'-4"	17,800	O

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* Flat bottom models are designed as Exercise Spas or Swim Spas and water depth shall not exceed 6 feet 6 inches measured from the design waterline.