



Originally Issued: 10/24/2013

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EVALUATION SUBJECT: FIBERGLASS REINFORCED PLASTIC SWIMMING POOLS

Report Holder:

San Juan Products
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CSIDIVISION: 13 00 00 - SPECIAL CONSTRUCTION
CSI Section: 13 11 00 Swimming Pools and Spas

1.0 SCOPE OF EVALUATION

1.1 Compliance to the following codes & regulations:

- 2015, 2012, 2009, 2006 International Building Code® (IBC)
- 2015, 2012, 2009, 2006 International Residential Code® (IRC)
- 2015 International Swimming Pool and Spa Code® (ISPSC)

1.2 Evaluated in accordance with:

- ICC-ES AC274, approved December 2006 (Editorially revised January 2017)

1.3 Properties Assessed:

- Physical
- Durability

2.0 PRODUCT USES

San Juan Products pools recognized in this report are used in residential swimming pool applications using heated water that is circulated in a closed system. The swimming pools shells comply with requirements in the ISPSC and the 2012, 2009 and 2006 IRC Section AG103. Swimming pool shells are permanently installed in-ground. All pool shells Type O or Type I as per Table 1 of this report comply with Chapter 8 of the ISPSC or ANSI/NSPI-5.

3.0 PRODUCT DESCRIPTION

The San Juan Products pool details are described in Table 1 of this report by model number. Each unit is one-piece fiberglass construction shop-formed over a mold. The pool has a minimum thickness of ¼ inch (6.4 mm) fiberglass-reinforced plastic (FRP), which is composed of roving thermosetting polymer matrix. The surface finish is neopentyl glycol/isophthalic gel coat.

4.0 INSTALLATION

San Juan Products pool shells shall be installed in accordance with this report and the manufacturer's installation instructions. All necessary plumbing and electrical work shall comply with the local codes in effect.

Subject to the code official's approval, the San Juan Products pool shells may be installed without a soil investigation by a registered design professional provided none of the following conditions are encountered at the site:

- Groundwater within the excavation, where the pool floor will contact the soil at the time of installation.
- Un-compacted fill in contact with any portion of the pool shell.
- Expansive-type soils.
- Soil types with an angle of repose that will not support the walls of the excavation at desired slopes.
- Adjacent structures, which may be in danger posed by the proposed pool location.

If any of the above-mentioned conditions are encountered, excavation shall cease immediately. The conditions shall be investigated by a qualified registered design professional and mitigation measures recommended, if possible. The investigation report and recommendations provided by the registered design professional shall be submitted to the code official for review and approval prior to resuming excavation.

The pool excavation profile shall have a minimum over-dig of 6 inches (152 mm) on the sides and 4 inches (102 mm) at the bottom. The backfill for the pool bottom shall consist of structurally stable sand or pea gravel up to a maximum of 3/8 inch (9.53 mm) diameter and compacted to match the pool floor profile. The pool shell shall sit firmly on compacted backfill and be within 1 inch (25.4 mm) of level. Water-fill and backfill simultaneous operations shall commence with backfill washed in with water. Backfill level and water-fill level shall be approximately the same throughout filling procedure.

After completion of the waterfill and backfill operation a bond beam shall be installed in accordance with the manufacturer's installation instructions, and approved by the code official.

5.0 CONDITIONS OF USE

The Fiber Reinforced Plastic Swimming Pool shells described in this report comply with, or are suitable alternatives to what is specified in those codes listed in



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Section 1.0 of this report, subject to the following conditions:

5.1 The Fiber Reinforced Plastic Swimming Pool shells shall be constructed and installed in accordance with this report and the manufacturer’s installation instructions. In the event of a conflict, the more restrictive shall take precedence.

5.2 Clearances of the swimming pool shells from slopes set forth in the 2015 and 2012 IBC Section 1808.7.3 or 2009 and 2006 IBC Section 1805.3.3, and IRC Section R403.1.7, as applicable, shall be observed.

5.3 Barriers shall comply with IBC Section 3109 or ISPSC Section 305 (2012, 2009 and 2006 IRC Section AG105), as applicable.

5.4 Slip resistance is outside the scope of this evaluation report. Reports of slip resistance tests that demonstrate compliance with Section 306.2 of the ISPSC or Section 8.1 of ANSI/NSPI-5 shall be submitted to the code official for approval.

5.5 A permanent label shall be applied to the pool equipment stating the following: “The pool shall remain full of water at all times. Pool may be damaged if water level is allowed to drop below the pool inlet. When appreciable drawdown is noticed or if it becomes necessary to drain the pool, San Juan Products shall be contacted for instructions.”

5.6 Diving equipment shall only be installed on Type I pools and shall comply with the requirements of, and be installed in accordance with Section 808 of the ISPSC or Section 5.8 of ANSI/NSPI-5.

5.7 Pools that are located in flood hazard areas established in accordance with IRC Table R301.2 (1) shall comply with ISPSC Section 304 or 2012, 2009 and 2006 IRC Sections AG101.2 and AG103.3, as applicable.

5.8 Suction outlets shall be designed and installed in accordance with Section 3109.5 of the IBC, Section 310 of the ISPSC or Section AG106.1 of the 2012, 2009 and IRC.

5.9 Electrical, plumbing, pumping and water heating equipment and decking are beyond the scope of this report and shall be installed in accordance with the applicable code and the requirements of the code official.

5.10 Pools are produced by San Juan Products in Eloy, AZ with Inspections by RADCO, Inc.

6.0 EVIDENCE SUBMITTED

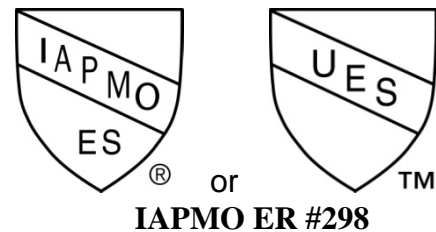
Data has been submitted and is in accordance with ICC-ES Acceptance Criteria for In-Ground, Residential, Fiber-Reinforced Plastic Swimming Pools and Permanently Installed Plastic Spas (AC274), approved December 2006 (Editorially revised January 2017).

7.0 IDENTIFICATION

The Fiber Reinforced Plastic Swimming Pool shells shall be identified as follows:

7.1 A label shall be affixed on at least one of the following: product, packaging, installation instructions or descriptive literature. A label shall also be placed on the installed pool or equipment by the distributor or installer.

7.2 The label shall include the company name or trademark, model number, the IAPMO Uniform ES Mark of Conformity and the Evaluation Report Number (ER-298), and the name of the inspection agency (RADCO) to identify the products recognized in this report. A die-stamp label may also substitute for the label. Either Mark of Conformity may be used as shown below:



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For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org



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TABLE 1 – POOLS

MODEL	LENGTH (ft-in)	WIDTH (ft-in)	DEPTH (ft-in)		VOLUME (gal)	DIVING TYPE
			SHALLOW END	DEEP END		
26	20-9	11-5	4-0	4-0	4500	0
28	33-10	15-10	3-11	5-1	11600	0
50	21-10	10-5	3-8	4-11	4800	0
100	26-9	12-2	3-5	5-6	8000	0
105	17-2	11-11	4-2	5-0	3900	0
110	28-1	11-0	4-0	4-0	6200	0
125	27-11	11-9	3-8	5-6	8500	0
135	27-9	11-8	3-8	5-6	8400	0
140	25-9	12-5	3-9	5-8	6600	0
145	34-4	12-4	3-3	5-6	8860	0
151	25-10	12-0	3-7	5-7	6800	0
176	23-9	11-9	3-6	5-7	6600	0
180	23-9	11-9	3-6	5-7	6600	0
190	30-0	14-0	3-1	6-0	7130	0
200	31-0	12-0	3-2	5-5	9000	0
210	27-10	11-11	3-6	6-0	8000	0
220	23-3	10-11	3-8	5-2	5100	0
222	25-1	11-8	3-1	5-7	6940	0
225	32-10	13-9	3-6	5-10	10300	0
226	32-10	13-9	3-6	8-0	13700	0
285	39-1	16-2	3-0	6-0	14690	0
300	22-4	12-1	3-9	3-9	5025	0
351	33-1	14-1	3-9	5-0	11500	0
375	29-8	13-10	3-7	5-5	9500	0
376	45-0	16-0	3-6	6-4	18000	0
377	45-0	16-0	3-6	8-0	20000	I
378	28-4	15-10	3-6	5-7	10000	0
379	28-4	15-10	3-6	5-7	7120	0
380	37-4	16-0	3-6	6-4	13700	0
381	20-9	12-0	3-8	4-11	4000	0
382	25-8	12-1	3-8	4-11	5000	0
394	27-1	13-10	4-3	4-3	6400	0
400	32-6	14-0	3-0	5-6	11500	0
425	27-11	15-11	3-3	5-1	11300	0
520	28-0	14-10	3-6	5-4	9500	0
522	27-10	13-11	3-7	5-5	8300	0
530	39-8	15-8	3-6	5-4	14050	0
540	42-4	16-1	3-3	7-11	20500	I
550	39-8	16-0	3-6	7-11	17950	I
575	39-10	16-1	3-3	7-11	20500	I
576	31-10	15-11	3-8	5-8	16000	0
577	33-10	15-11	3-8	7-10	17500	I



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TABLE 1 – POOLS (CONTINUED)

MODEL	LENGTH (ft-in)	WIDTH (ft-in)	DEPTH (ft-in)		VOLUME (gal)	DIVING TYPE
			SHALLOW END	DEEP END		
578	44-7	15-11	3-8	6-4	19000	0
580	44-7	15-11	3-8	7-10	22000	1
590	40-6	16-2	3-8	6-4	20600	0
600	16-6	12-0	3-11	3-11	4900	0
675	14-0	8-0	3-6	3-6	2750	0
700	20-0	12-0	3-10	3-10	5600	0
724	24-0	16-0	4-9	4-9	5200	0
725	36-2	16-0	4-8	4-8	8800	0
726	27-10	14-1	4-2	5-0	9560	0
727	17-4	15-10	3-7	5-2	4650	0
728	17-4	13-8	3-7	5-2	4350	0
729	18-11	11-11	3-7	5-0	3300	0
730	15-6	10-10	3-9	3-9	2100	0
734	18-2	11-0	3-9	3-9	2050	0
740	20-0	13-7	3-5	3-5	3550	0
741	15-8	14-6	2-9	2-9	1970	0
750	23-0	8-6	4-9	4-9	4240	0
775	40-0	8-6	4-9	4-9	8500	0
800	33-9	16-0	3-4	5-8	12170	0
840	34-1	16-2	3-6	5-5	13500	0
850	33-1	15-7	3-8	5-9	10400	0
851	33-1	15-7	3-8	8-0	11300	0
870	29-0	12-10	3-6	6-0	10000	0
875	39-11	16-2	3-2	5-5	14590	0
900	39-7	15-11	3-3	5-1	14400	0
10KL	10-6	8-3	3-5	3-5	750	0
10KL	10-3	7-0	2-10	3-2	700	0
6OCT	6-10	6-10	3-0	3-0	350	0
6SQ	6-1	6-1	2-11	2-11	300	0
7SQ	7-1	6-11	3-3	3-3	550	0
8DIA	8-0	8-0	2-11	2-11	450	0
8OCT	8-0	8-0	3-2	3-2	550	0
8RD	8-0	8-0	3-0	3-0	500	0
9RD	8-10	8-10	3-7	3-7	755	0
P10	23-9	12-3	3-9	5-11	6000	0
P20	25-0	12-0	3-6	6-0	8500	0
P21	25-0	12-0	3-6	6-0	8500	0
P30	23-5	11-11	2-9	4-9	6800	0

For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 gallon = 3.785 L