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RESEARCH REPORT: RR 24851
(CSI # 13150)

Expires: June 1, 2010
Issued Date: July 1, 2009
Code: 2008 LABC

GENERAL APPROVAL - Life Pools and Spas' Prefabricated Fiberglass Reinforced Polyester Swimming Pool Shell.

DETAILS

Life Pools and Spas' Prefabricated Swimming Pool Shell is made of Fiberglass Reinforced Polyester. Glidden isothalic gel coat is sprayed over the mold in coats to build up a required thickness which is then reinforced by a layer of chopped fiberglass and resin with catalist.

Unit Name	Size	Height	Water Volume
Opspey	15' x 24'	4'	8500 gals
	15' x 38'	4'	13,000 gals
	7' - 10" octagonal	3"	500 gals

Use, design and construction of the pools shall conform to the following requirements:

1. The swimming pool shell shall be fabricated in the shop of a fabricator approved by the Los Angeles City Building Department.
2. Each unit is identified with the engraved words "Life Pools and Spas, IAPMO SP1193" for the 15' x 24' and the 15' x 38' pools and "Life pools and Spas, IAPMO SP1195" for the 7' - 10" octagonal spa.
3. Design and construction of the pool shall comply to Information Bulletin P/BC 2008-14 and to the Los Angeles Building Code. Design of the swimming pool shell is on file in the office of Engineering Research Section.
4. A swimming pool permit application is required for each installation.

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Reinforced Polyester Swimming Pool Shell

5. The pools and spas shall not be located where non-combustible materials are required.
6. The entire building structure shall be investigated for the additional loads from the swimming pool.
7. Plans and calculations signed and stamped by a civil or structural engineer licensed by the State of California shall be submitted to the Structural Plan Check for review and approval.
8. According to ASTM E84 test, flame-spread index is 25 and smoke density is 425.
9. Electrical and Plumbing systems shall be cleared through the Electrical and Mechanical Plan Check.
10. The pools and spas may be located on roofs where a Class B fire retardant roof covering is permitted.

DISCUSSION

The approval is based on tests and calculations. Tests conducted in accordance with UBC Standard No. 15-2 meeting requirement of Class B fire retardant roof covering have been submitted. The report is in compliance with 2008 LABC.

All plastics used in construction within the scope of the Building Code must be produced by a Los Angeles City approved Type I fabricator.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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