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TOPP Industries, Inc.
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RESEARCH REPORT: RR 5743
EFFECTIVEDATE: 10/01/2023
EXPIRATIONDATE: 10/01/2024
Telephone: 574-223-3681

GENERAL APPROVAL - Renewal – Polyethylene and Structural Foam Sump Basins manufactured by TOPP Industries, Inc. See attached list of approved models.

DETAILS

These products are plastic sump basins constructed of structural foam and polyethylene. All polyethylene and structural foam models, except “The Cube”, are round basins available in various diameters and depths. “The Cube” model is of hexagonal shape and is available in 6-gallon capacity only. Cast iron and composite fiberglass caulking hubs, PVC grommets as well as stainless steel or enamel coated pipe couplings are available as side inlets. Covers made of structural foam or metal are made for single or twin pump mountings, and a vent connection. Covers are secured by a flange and bolts. 3M Windo-Weld Ribbon Sealer applied between the cover and the basin provides a water-tight joint and enables the sump basin assembly to meet the 10-foot head pressure test per Section 94.712.2 of Los Angeles Plumbing Code (LAPC), 2023 Edition.

The approval is subject to the following conditions.

1. These sumps may be installed only in plumbing drainage systems, such as DWV, rainwater and subsurface drainage.
2. These sumps shall be adequately restrained where the ground water level may cause flotation.
3. Pumps may rest on the bottom of the basin provided the basin sits on a minimum 4-inch compacted sub-base.
4. Access, as required by the Los Angeles Electrical Code, shall be provided for maintenance and repair of any electrical equipment.

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5. Where any portion of the sump is located within 10 feet of a property line, bearing wall, or the toe of a slope which exceeds four feet in vertical height, the location and size of each installation shall be indicated on plans approved by the Building Plan Check Section of the Permit and Engineering Bureau.
6. When located within a building, the sump shall be buried in the ground or encased in a minimum of 4 inches of concrete.
7. Only the 3M Windo-Weld Ribbon Sealer shall be used between the cover and the basin.
8. Each sump shall be marked with a permanent label attached to the sump showing the manufacturer's name, "TOPP Industries, Inc." and the appropriate model number where visible for inspection purposes.

DISCUSSION

The Mechanical Testing Laboratory reviewed recent test reports. These products have been tested in accordance with IAPMO PS 52. The material and construction are equivalent to that prescribed by the Los Angeles Municipal Code in quality, strength, effectiveness, durability and safety.

For this General Approval to be valid on any individual construction project in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met in the case of each construction project under consideration.

This approval is granted under Sections 94.301.0, 94.710.7, 94.710.8, 94.710.9, 94.710.10, and 94.712.2 of the Los Angeles Plumbing Code, 2023 Edition and Section 91.2612.0 of the Los Angeles Building Code, 2023 Edition.

Approved by:

Cristina Acevedo-Leija
Mechanical Testing Laboratory
Permit and Engineering Bureau

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LIST OF APPROVED STRUCTURAL FOAM MODELS:

<u>Model #</u>	<u>Description</u>
E1-B1100	E-Series Structural Foam (The Cube)
E11-1100-##	13" X 13" E-Series Structural Foam Basin
E2-2200-##	18" X 22" E-Series Structural Foam Basin
E3-2400	18" X 30" E-Series Structural Foam Basin
E4-3100	24" X 24" E-Series Structural Foam Basin
E5-3200	24" X 36" E-Series Structural Foam Basin
E6-4100	30" X 36" E-Series Structural Foam Basin
E7-1824	18" X 24" E-Series Structural Foam Basin

LIST OF APPROVED POLYETHYLENE MODELS:

<u>Model #</u>	<u>Description</u>
B1100-##	13" X 13" Polyethylene Basin
B1104-##	14" X 24" Polyethylene Basin
B2200#-##	18" X 22" Polyethylene Basin
B1800#-##	18" X 24" Polyethylene Basin
SHDB240-##	18" X 24" HD Polyethylene Basin
B2400#-##	18" X 30" Polyethylene Basin
SHDB242-##	18" X 30" HD Polyethylene Basin
B2700#-##	23" X 31" Polyethylene Basin
B3100#-##	24" X 24" Polyethylene Basin
B3200#-##	24" X 36" Polyethylene Basin
B3300#-##	24" X 30" Polyethylene Basin
B4100#-##	30" X 36" Polyethylene Basin
B5100#-##	36" X 36" Polyethylene Basin

<u>Covers:</u>	<u>Description</u>
E-C**EWSF-####	Solid Structural Foam Cover
E-C**EWSFE-####	Single Hole Structural Foam Cover
E-C**G-####	Simplex Structural Foam Cover with Gaskets
E-C**F-####	Simplex Structural Foam Cover with Flanges
E-C**TSF-####	Simplex Two- Piece Structural Foam Cover
C**WSL-####	Light Duty Solid Steel Cover
C**WSH-####	Heavy Duty Solid Steel Cover
C**WP-####	Solid Polyethylene Cover

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C**SP-####	Simplex Polyethylene Cover
C**SSL-####	Light Duty Simplex Steel Cover
C**SSH-####	Heavy Duty Simplex Steel Cover
C**WFNSTP-####	Solid Fiberglass Cover
C**FSNSTP-####	Simplex Fiberglass Cover
C**SFA-####	Simplex Fiberglass with Access Cover
C**DFA-####	Duplex Fiberglass with Access Cover
C**SSA-####	Simplex Steel with Access Cover
C**-12SSA-####	Simplex Steel with Access Cover (12g)
C**DSA-####	Duplex Steel with Access Cover
C**-12DSA-####	Duplex Steel with Access Cover (12g)
C**HSS-####	Steel Hatch Cover
C**HSA-####	Aluminum Hatch Cover

LEGEND:

##(##)= Model options
**=Cover diameter