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April 11, 2013

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Los Angeles, CA 90026

RESEARCH REPORT: RR 4398  
EFFECTIVE DATE: 04/01/2013  
EXPIRATION DATE: 04/01/2014  
Telephone: 213-483-4444

**GENERAL APPROVAL - Renewal - "COMPOSEAL" Shower Pan Liner, 30-mil and 40-mil vinyl material, "COMPOSEAL GOLD" Crack Isolation Waterproof Membrane, 40-mil vinyl material, and COMPOSEAL WHITE GOLD Concealed Sound Control and/or Crack Isolation Waterproof Membrane 50-mil vinyl material manufactured by Compotite Corporation.**

**DETAILS**

The shower pan liner product is a plastic sheet made of 30-mil or 40-mil blue-colored vinyl. The crack isolation waterproof membrane product is a gold-colored, vinyl sheet with heat fused outer layers of non-woven polyester fiber totaling a thickness of 40-mil.

The approval for the shower pan liner is subject to the following conditions:

1. The shower pan liner product may be installed as a substitute for the following:
  - a. The built-up shower pan liner required by Section 94.411.8 of the Los Angeles Plumbing Code, 2011 Edition.
  - b. The waterproof membrane required beneath the mortar bed of a Roman tub by IAPMO IS 2-2003.

**NOTE:** No additional layers of standard grade 15-pound tar or asphalt-impregnated roofing felt are required.

2. The liner shall be secured between the flanges of the sub-drain. All weep holes of the sub-drain shall be left open.
3. Joints shall be made watertight by using the manufacturer's recommended PVC solvent cement. Threshold corners shall be made by folding neatly and then PVC solvent welded.
4. The installer shall cover the liner with several layers of building material or by other suitable means so as to protect the liner from damage. The covering shall remain in place

RR 4398  
Page 1 of 3

Compotite Corporation

RE: "COMPOSEAL" Shower Pan Liner and "COMPOSEAL GOLD" Crack Isolation Waterproof Membrane.

until the grout and tile are applied.

5. The product shall be identified as "Composeal 30" or "Composeal 40" and the UPC logo and identification shall be visible for inspection purposes.

The approval for the crack isolation waterproof membrane is subject to the following conditions:

1. The membrane may be used for concealed crack isolation (fracture resistant) and waterproofing under thin-set installations of ceramic and marble tile, terrazzo and brick in gang shower type of applications.
2. Seams and corners of membrane sheets shall be welded using Composeal PVC cement.
3. The product shall be identified as "Composeal Gold" and identification shall be visible for inspection purposes.

The approval for the Composeal White Gold 50 mil membrane is subject to the following conditions:

1. The membrane may be used for concealed sound control and/or crack isolation (fracture resistant) and waterproofing under thin-set installations of ceramic and natural stone tile in residential and commercial applications.
2. This approval applies only to the provisions of the Los Angeles Plumbing Code (LAPC), 2011 Edition. It shall not be construed to be an approval under the Los Angeles Building Code.
3. This product shall be installed per the manufacturer's installation instructions/recommendations.
4. This product shall not be used with asphalt or bituminous based products.
5. Membrane sheets shall be installed using a liquid acrylic admixture into Portland cement mortar.
6. The product shall be identified as "Composeal White Gold " and the identification shall be visible for inspection purposes.



Compotite Corporation

RE: "COMPOSEAL" Shower Pan Liner and "COMPOSEAL GOLD" Crack Isolation Waterproof Membrane.

#### DISCUSSION

File and test reports were reviewed by the Mechanical Testing Laboratory. The material and construction appear to be 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 and 94.411.0 of the Los Angeles Plumbing Code (LAPC), 2011 Edition.

Approved by:



Thomas Liu  
Mechanical Testing Laboratory  
Engineering Bureau

Concurred by:



Plumbing/Mechanical Inspection Division  
Inspection Bureau