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Attn: Dan Nelson  
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RESEARCH REPORT: RR 25671  
(CSI 07 11 00)

Expires: November 1, 2015  
Issued Date: November 1, 2013  
Code: 2011 LABC

**GENERAL APPROVAL – Renewal - TM-36-UB – Waterproofing Membrane for Thin Set Tile/Shower Pan Liner.**

**DETAILS:**

The TM-36-UB is a three component system GacoFlex UB-64, GacoFlex E-5320 and GacoFlex U-5677. GacoFlex U-5677 is a Polyurethane Concrete Sealer, GacoFlex E-5320 is a two component Epoxy Concrete Primer, and GacoFlex UB-64 is a two component polyurethane elastometer for top coat.

**The approval is subject to the following conditions:**

1. U-5677 and U-5320 have a one year shelf life from the date it was manufactured for original unopened containers. Opened containers should be used within one week.
2. The materials for the system shall be delivered to the job site in sealed containers identified by the manufacturer's name product name and shelf life.
3. Installation of TM-36UB shall be in accordance with the manufacturer's instructions, a copy of which shall be available at each job site.

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4. Surfaces to be covered shall be sound, clean and free of laitance, oil, wax or grease. Cement substrates shall be troweled semi smooth or finished with light broom surface texture.
5. The coating system shall not be applied at temperatures below 40°F.
6. The installation of TM-36UB waterproofing membrane shall be accomplished in the presence of a technical advisor certified by Gaco Western, Inc.
7. The installations shall be in accordance with the following steps:
  - a. Apply GacoFlex U-5677 Sealer at a rate of one gallon per 300 square feet. Allow to dry a minimum of 1 hour and no more than 72 hours.
  - b. Apply one coat of GacoFlex E-5320 by roller at the rate of ½ gallon per 100 square feet. Allow to dry a minimum of 24 hours.
  - c. Polyurethane Coating: Apply one coat of GacoFlex UB-64 Series Polyurethane at a rate of 1.5 gallons per 100 sq. ft. (24 mils wet) (.61 mm) to all areas to receive fluid applied waterproofing, including areas previously caulked, flashed or fabric reinforced. Allow the base coat to cure for at least 8 hours, but no more than 72 hours before applying the second urethane coat.

Allow membrane to cure 24 hours but no more than 72 hours prior to installing thin set tile.

After the membrane has cured, carefully inspect the surface for bubbles blotches, clumps or other imperfections at the fabric joints or within the field areas.

Provide adequate ventilation to prevent the accumulation of hazardous fumes during application.

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## DISCUSSION

This report is in compliance with the 2011 Los Angeles City Building Code.

Approval is based on testing in accordance with the ICC-ES Acceptance Criteria for Waterproof Membranes Used as Ceramic Tile Underlayment (AC115).

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.

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 Inspect

  
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