

PREPRUFE® Liquid Flashing Data Sheet

A Pre-Applied detailing bonded to poured concrete

Product Description

PREPRUFE® Liquid Flashing is a two-component elastomeric, cold applied, trowel grade material designed for use with PREPRUFE® waterproofing membranes in pre-applied waterproofing systems. The VOC (volatile organic compound) content is 3 grams per liter.

The two parts of PREPRUFE® Liquid Flashing are mixed on site and troweled on to provide a simple, quick, and fully bonded waterproofing detailing aid in conjunction with PREPRUFE® waterproofing systems.

Product Advantages

- Bonds to poured concrete – Advanced Bond Technology™ maintains unique fully bonded performance
- Liquid applied – conforms to irregular profiles
- Cold applied – no flame hazard or special equipment needed
- Waterproof – resistant to water pressure
- Chemically cured – good through cure in thick applications
- System compatible – complements PREPRUFE® waterproofing system
- Reduced labor – simplifies detailing by reducing steps and materials

Use

PREPRUFE® Liquid Flashing is ideally suited for the following uses:

- Fillet material around pipe or rebar penetrations
- Sealing material at H-piles, columns, and terminations
- Damage repair for PREPRUFE® surface

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Physical Properties

MODULE	TYPICAL VALUE	TEST METHOD
Part A Color	Blue	-
Part B Color	Clear	-
Mixture of Parts A and B Color	Blue	-
Application Temperature	25°F to 104°F	-
Pot life	45 minutes	
Elongation	1000%	ASTM D412

Low temperature flexibility	Unaffected at -20°F (-29°C)	ASTM D1970
Crack cycling	Pass	ASTM C1305
Resistance to hydrostatic head, functional details	231 ft (71 m)	ASTM D5385 ¹
Lateral Water Migration Resistance	231 ft (71 m)	ASTM D5385 ²
Peel adhesion to post-cast concrete	10 lbs/in. (1750 N/m)	ASTM D903 ³
Peel Adhesion, Concrete	10 lbs/in. (1750 N/m)	ASTM D903 ⁴
Peel Strength, Steel	10 lbs/in. (1750 N/m)	ASTM D903 ⁴
Peel Strength, PVC	10 lbs/in. (1750 N/m)	ASTM D903 ⁴
Peel adhesion to PREPRUFE® Grout EG 75	10 lbs/in. (1750 N/m)	ASTM D903 ⁴
Peel adhesion to PREPRUFE® Plus membrane	10 lbs/in. (1750 N/m)	ASTM D1876 ⁴
Peel adhesion to PREPRUFE® SCS membrane	10 lbs/in. (1750 N/m)	ASTM D1876 ⁴
Peel adhesion to BITUTHENE® Liquid Membrane	10 lbs/in. (1750 N/m)	ASTM D1876 ⁴
Environmental Stress Resistance	Pass	ASTM D1693

1. Test is performed by casting concrete against the membrane with detail prepared with PREPRUFE® Liquid Flashing.

2. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.

3. Sample is prepared by casting concrete against cured membrane.

4. Tested at crosshead speed of 2 inches per minute using Bituthene B2 LVC Primer over EG 75



Application Procedures

Safety, Storage and Handling Information

Safety Data Sheets (SDS) are available on request. Carefully read detailed precaution statements on product labels and the SDS before use.

Surface Preparation

Substrates should be dry and free from surface condensation or standing water. All surfaces should be clean and free from dust, dirt, site debris, grease and any other contaminants that may compromise adequate adhesion.

For concrete, prime with BITUTHENE® Adhesive Primer B2 LVC. For steel, rust and mill scale should be removed by wire brush or grinding, followed by solvent wipe. PVC surfaces should be wiped free of any debris.

Mixing and Installation

Add the entire contents of the Part B container to Part A and mix for 3 to 5 minutes using a low shear mixer until uniform, being careful to avoid trapping air in the mix. Part A is blue and Part B is clear. Take care to scrape material from the side and bottom of the containers to ensure thorough mixing. Do not apply any material if streaks or chunks can be seen due to insufficient mixing. Once mixed, PREPRUFE® Liquid Flashing must be applied by trowel within 45 minutes at 70 °F. More time is available at lower temperatures.

PREPRUFE® Liquid Flashing may be applied at temperatures of as low as 25 °F (-5 °C). During cold weather installation less than 40 °F (5 °C), product must be stored above 50 °F (10 °C) for a minimum of 24 hours prior to application to improve workability and overall product installation. At high temperatures, thickening and curing will be faster. Material that has thickened must be discarded. The material will cure to a slightly tacky, very flexible, rubber-like material.

PREPRUFE® Liquid Flashing must be applied at a target thickness of 80 mil minimum for optimized application performance. Use a wet film thickness gauge to ensure the minimum thickness has been achieved. In fillet applications, the face of the fillet should be a minimum of ¾ in. (20 mm). PREPRUFE® Liquid Flashing will adhere to primed concrete, steel, PVC, epoxy grout, and PREPRUFE® membranes.

PREPRUFE® Liquid Flashing will remain tacky. Prior to casting concrete inspect cured PREPRUFE® Liquid Flashing for adhered trash or contamination and remove where applicable. Excessive debris build up on the membrane should be washed clean. Light power washing will not damage the membrane. Normal construction site debris, dust, etc. will not compromise the fully bonded performance of the applied membrane. Ponding water should be removed prior to concrete pour. Follow QA/QC procedure as prescribed by GCP Technical Services applicable to below grade waterproofing products like but not limited to PREPRUFE® Liquid Flashing and BITUTHENE® Liquid Membrane. Do not install if rain is imminent. 3hrs after the application light rain does not compromise the performance of PREPRUFE® Liquid Flashing. Allow PREPRUFE® Liquid Flashing to cure for 24 hrs before concrete pour.

Coverage

Preprufe Liquid Flashing minimum required thickness is 80mils (2mm), ¾" to 1" for the fillet face with 3" extension on both sides.

Coverage for fillet & extension material – 1 gal (3.8 L) kit will cover approximately 15 linear feet (4.6 m).

Coverage when used as flashing material – 1 gal (3.8 L) kit will cover approximately 20 ft² (1.88 m²).

Damage Repair

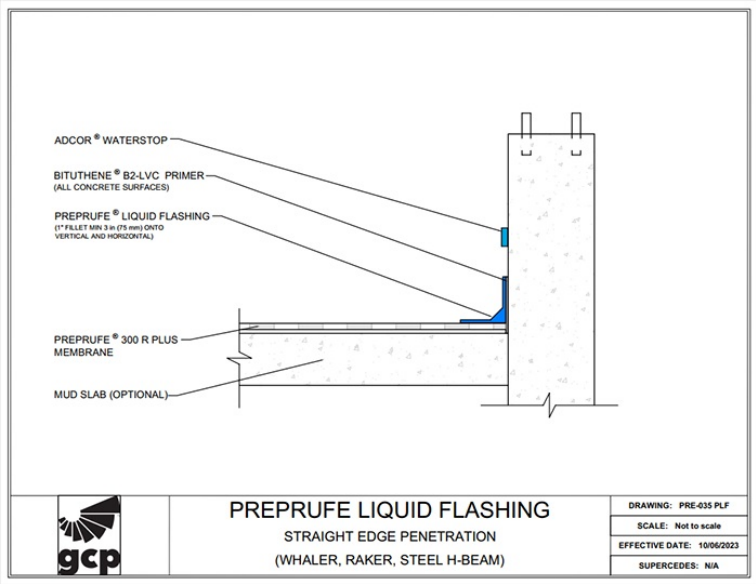
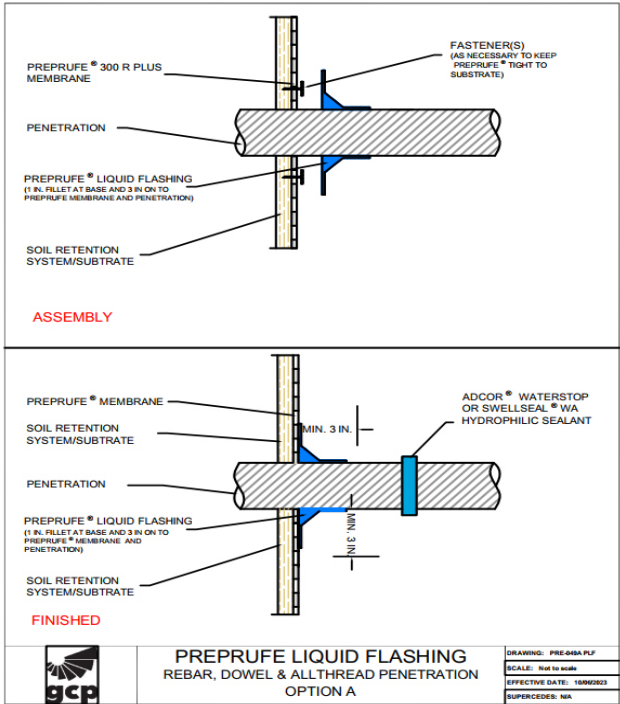
Damaged PREPRUFE® Liquid Flashing can be repaired using PREPRUFE® Liquid Flashing. Fully or partially cured PREPRUFE® Liquid Flashing can be repaired using fresh PREPRUFE® Liquid Flashing which will bond very well to already applied PREPRUFE® Liquid Flashing. The PREPRUFE® Liquid Flashing that needs repairing needs to be cleaned of debris. PREPRUFE® Liquid Flashing can be used to repair damaged surface of PREPRUFE® Plus membranes and punctures less than ½" diameter. Applied PREPRUFE® Liquid Flashing for repair should extend beyond damaged membrane 4" in all directions. For punctures larger than ½" diameter, use PREPRUFE® Tape and/or PREPRUFE® membrane patch per standard application guidelines.

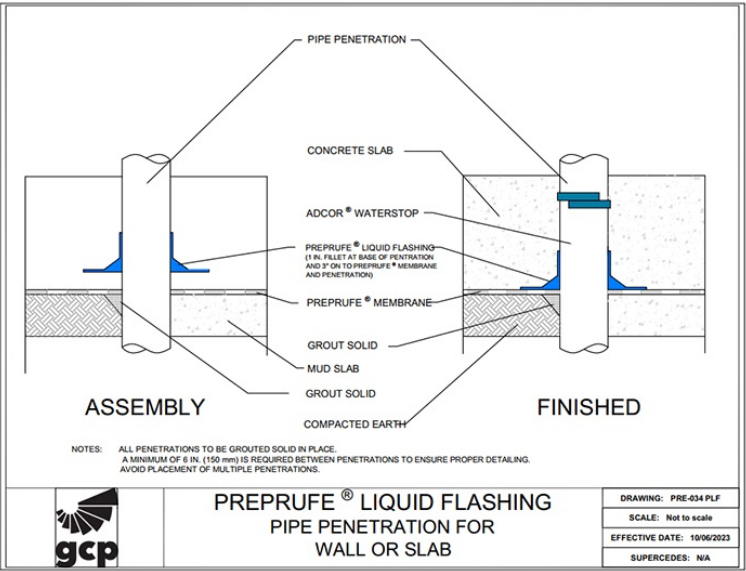
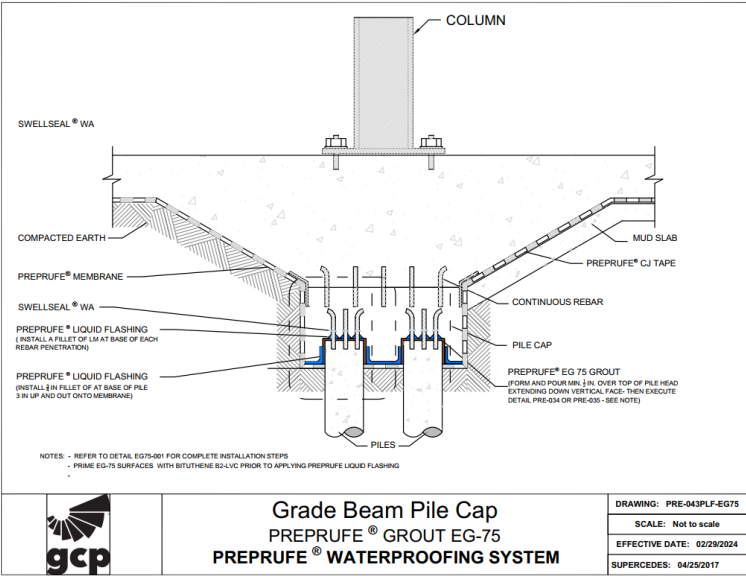
UV Protection

PREPRUFE® Liquid Flashing is not designed for permanently exposed applications, it should be covered within 56 days of application.

Equipment Cleaning

Clean tools and equipment with acetone before PREPRUFE® Liquid Flashing has cured. Acetone is a combustible liquid and should be used only in accordance with the manufacturer’s safety recommendations. Do not use solvents to clean hands or skin.





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