



TERA-GEM III

FLEX PRIMER W/FIBERGLASS ANTIFRACTURE MEMBRANE

PRODUCT DESCRIPTION

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Tera-Gem III Flex Primer with Fiberglass is a 100% solids, solvent free, modified flexible epoxy that was designed to suppress and limit reflective cracking in epoxy overlay systems that are placed over cracks and joints that move due to rapid thermal changes and/or elevated temperatures. This product has excellent adhesion to concrete and wood substrates. The Tera-Gem III Flex Primer with Fiberglass Antifracture Membrane consists of the following:

PRIMER:

A two component modified flexible, damp tolerant epoxy.

FIBERGLASS:

Used as fabric reinforcement.

PHYSICAL PROPERTIES

Compressive Strength	(ASTM C-579)	6,000 psi. AFTER 7 DAYS
Tensile Elongation	(ASTM C-638)	95%
Tensile Strength	(ASTM C-307)	2,200 psi.
Flammability	(ASTM 635)	Self Extinguishing
Fungus Resistance	(ASTM G21)	Passes
Water Absorption	(ASTM C-413)	0.25%
Bond Strength, Primer	(ASTM 4541)	>400 psi
Hardness	(ASTM 2240)	40

Application Properties

Mix Ratio	1A : 1B by volume
Pot Life (minutes)	25-30 @ 77 deg. F
Application Temp.	(F. Min) 50 deg .F

When placed by trained applicators, Tera-Gem III Flex Primer with Fiberglass will provide a long lasting, easy to maintain floor that will stand up even in the most demanding of environments.

SUGGESTED USES

Tera-Gem III Flex w/Fiberglass is suitable for process areas, food process plants, distilleries, dairies, electronics plants, clean rooms, hospitals, commercial and restaurant kitchens, sanitary facilities and areas that are subject to thermal differentials.

SURFACE PREPARATION

Concrete surfaces must be free from surface contaminants, laitance, curing compounds, oils, greases, dirt, chemical contaminants, unbounded coatings, etc. The surface must be sound, without delamination. Concrete compressive strength must be a minimum of 3,000 psi. New concrete should be cured for a minimum of 28 days. Wet curing is the preferred method. User must notify manufacturer for different conditions.

To properly clean concrete surfaces, the concrete may be sandblasted, steel shot-blasted, scarified, or other approved technique.

SYSTEM APPLICATION

PRIMER & FIBERGLASS:

Use Tera-Gem III Flex liquid components as primer. Use a clean bucket and mix 1 part of A to 1 part of B by volume. Stir with a mechanical agitator for 1-2 minutes. Distribute mixed material evenly over the floor surface using rollers or squeegees. Spread rate will vary from 70 to 150 sq. ft. per gallon depending on surface. Embed the fiberglass reinforcement fabric into the wet Flex primer and smooth out any bubbles to prevent air pockets. Do not apply over standing water or let flex primer set before applying the fiberglass reinforcement.

MATERIAL HANDLING

Epoxy resins and curing agents have certain handling hazards. Users should become familiar with the information contained in the SDS sheets for each formulated systems. Observe warning indications on the labels for each component.

PACKAGING

Tera-Gem III Flex with Fiberglass Antifracture Membrane epoxy system is available in pre-measured gallon, 2 gallon kits, 10 gallons kits and 110 gallon kits. Fiberglass is available in 35.5' x 275 yard roll.

NOTES

The following information is available online at www.teralite.com:

- Material Safety Data - Color Selection - Anti-Skid Recommendation
- Chemical Resistance - Maintenance Suggestions

The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We suggest that the user evaluate these recommendations and suggestions in conjunction with their specific application. Tera-Lite, Inc. / Revolan Systems warrant its products to be free from manufacturing defects conforming to our most recent material specifications. In the event of liability, we will be limited to the replacement of material at the material value only and at the sole discretion of Tera-Lite Inc. /Revolan Systems. We assume no responsibility for coverage, suitability of application, performance, or injuries resulting from use.

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