

## PRODUCT DESCRIPTION

Tremco Epoxy Primer is a 100% solids, two component epoxy primer recommended for use on porous substrates and is also used as a compatible tie-coat to create connectivity between otherwise incompatible membranes.

## USAGE/PURPOSE

Tremco Epoxy Primer is an ideal epoxy for:

- Priming prior to Tremco's Alphaguard Bio roofing system
- 100% solids vapour retarding primer for use with the Vulkem membrane systems
- Connectivity primer for:
  - TREMproof 250GC
  - TREMproof 201/60
  - TREMProof Torch membranes
  - TREMproof 3300 HD
  - TREMproof 260

## FEATURES & BENEFITS

- Low VOC allows for use in interior and sensitive spaces.
- Superior adhesion properties promote adhesion of various coatings and membranes.
- Use as vapour retarding primer minimises the potential for vapour blisters in waterproofing membranes.
- Use as connectivity primer eliminates the potential for secondary chemical reactions and incompatibility between existing membranes and new/remedial applications.

## PACKAGING

14.8L Kit

## COLOURS

Clear/Amber

## SHELF LIFE

12 months when stored as recommended in original unopened packaging.

## STORAGE

Store in a dry, cool place in an upright position in original unopened packaging.

## LIMITATIONS

- Do not subject Tremco Epoxy Primer to freezing temperatures before it has fully cured.
- Substrate surface and ambient temperature during applications should be between 10°C and 32°C. If the substrate is below 10°C, Tremco Epoxy primer may not cure.
- Material temperatures should be at least 15°C and rising.
- Working time and cure time will decrease as the temperature increases and will increase as the temperature decreases.
- Do not thin Tremco Epoxy Primer.
- Tremco Epoxy Primer will discolour upon prolonged exposure to ultraviolet light and high-intensity artificial lighting.
- Tremco Epoxy Primer is not to be used as a finished/aesthetic coating.
- Do not use Tremco Epoxy Primer for anchoring.
- Do not apply Tremco Epoxy Primer to slabs on grade unless an uninterrupted vapour barrier has been installed under the slab.

TYPICAL PHYSICAL PERFORMANCE	
PROPERTY	TYPICAL VALUES
Mixing Ratio	1:1
% Solids by Weight	100%
Mixing Viscosity	300 - 400 cps
Pot Life (@ 23°C, 50% RH)	10 - 20 minutes
Gel Time (@ 23°C, 50% RH)	30 - 40 minutes

## CONDITIONS PREPARATION FOR CONCRETE SURFACES

1. Concrete shall be water-cured and attain a 20 MPa minimum compressive strength. Moisture content in the concrete must be lower than 4.5% as measured using a Tramex CME 4 Moisture Meter. Depending on concrete construction and job site location, additional concrete testing may be required. Please contact your local Tremco Representative.
2. Concrete shall be free of any laitance which may inhibit sufficient adhesion. Removal of laitance can be achieved through a variety of physical abrasion methods, such as, shot blasting (preferred method), sandblasting or grinding.
3. Concrete surface shall be properly cleaned so that the surface to receive the primer is free of mould, paint, sealers, coatings, curing agents, loose particles, and other contamination or foreign matter that may interfere with the adhesion.
4. Remove oil, grease smear and asphalt residue with trisodium phosphate or a strong detergent. For oil contaminated surfaces, use steam cleaning in conjunction with a strong emulsifying detergent. Rinse thoroughly with potable water. After cleaning, remove defective concrete, honeycombs, cavities, joint cracks, voids and other defects by routing to sound material.
5. Smooth precast and formed concrete surfaces must be cleaned, roughened and made absorptive by mechanical abrasion. Light grinding or captive shot blasting is the preferred method
6. All surface imperfections, non-structural cracks etc should be repaired with an appropriate repair mortar from our TREMcrete product range.

## CONDITIONS PREPARATION FOR TIMBER SURFACES

1. Timber must be exterior grade and must be solid and firm and fastened with ring shank nails/screws to ensure a solid substrate.
2. The butt joints between timber boards must be fastened in such a way as to ensure no movement (thermal, load bearing deflection, etc.) occurs.

## USAGE

The following is a guide to estimate material usage:

Coverage Rate		Thickness	
4.9 - 6.1 m <sup>2</sup> /L	74 - 92 m <sup>2</sup> /Kit	0.16 - 0.2mm WFT	0.16 - 0.2mm DFT

\*All coverage rates are approximate & vary with substrate condition.

## METHOD FOR MIXING

1. Precondition both Part A & Part B components at 15 – 27°C for a minimum of 24 hours prior to mixing.
2. Mix Tremco Epoxy Primer using a low-speed drill and mixing paddle.
3. Pre-mix Part A and Part B separately for approximately 1 minute each to ensure that each component is homogenous.
4. Combine Part B to Part A in a 1:1 ratio by volume, then mix thoroughly for 3 – 5 minutes.
5. Scrape the bottom and sides of the containers at least once during mixing.
6. Do not scrape the bottom or sides of the container after mixing operations have ceased; doing so may result in unmixed resin or hardener being applied to the substrate.
  - Unmixed resin or hardener will not cure and will need to be removed.
7. Be sure during mixing to not move the paddle in a rapid up and down motion or developing a rapid vortex as that will cause air entrapment and lead to blisters and/or pinholes in the applied coating.

## METHOD OF APPLICATION

1. Apply with a clean brush or roller at a rate of 5-6 m<sup>2</sup>/L.
2. Application of Tremco sealants or membranes may be applied as soon as the primer has developed a robust skin (3 – 4 hours) and won't be displaced or damaged during application.
  - A. Application of any sealants or membranes onto the Tremco epoxy primer must occur within 24 hours of the initial primer application.
  - B. If more than 24 hours will elapse between coats:
    - i. Lightly abrade the Tremco epoxy primer.
    - ii. Apply a second coat of Tremco epoxy primer
    - iii. Broadcast silica sand into the wet epoxy until refusal.
    - iv. Remove loose silica sand with a broom or blower before applying any Tremco sealant or membrane.

## CLEAN UP

Clean all equipment with Tremco Xylol immediately on completion of application and mixing.

## TROUBLESHOOTING

This section describes common industry application issues when certain environmental conditions exist and their remedies. If any of these should occur, it is always recommended that you contact your local Tremco Representative.

When a deck contains too much moisture, the moisture may change into a vapour, which then condenses at the concrete primer interface before the coating has cured and may cause pin holes, ultimately interfering with proper adhesion. Contact Tremco for project specific advice if this should occur when using AlphaGuard Bio membrane.

## HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

## TECHNICAL SERVICE

Tremco has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

## GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.