

PRODUCT DESCRIPTION

TREMproof 200EC is a two-component waterborne epoxy coating, designed to act as a vapour retarding primer on porous substrates to minimise vapour drive into liquid applied waterproofing membranes.

TREMproof 200EC can also be used as a negative barrier to mitigate against water ingress in hydrostatic conditions.

USAGE/PURPOSE

TREMproof 200EC is used on relatively high moisture/newly formed concrete to accelerate the construction cycle and minimise vapour drive into the waterproof membrane application.

TREMproof 200EC can also be used as a negative barrier to mitigate against water ingress in hydrostatic conditions.

FEATURES & BENEFITS

- ❑ Able to be installed over green concrete, allowing for an accelerated construction schedule.
- ❑ Effective vapour retarder, providing a premium primer option for Tremco membranes and sealants.
- ❑ Water based, low VOC product.
- ❑ Ability to withstand up to 250 kPa (25 m) hydrostatic pressure head when fully cured and applied onto a suitable, sound substrate.

PACKAGING

20L Kit

COLOURS

Light Grey

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

- ❑ When applied in enclosed areas, the cure rate of TREMproof 200EC will be dramatically lengthened. As such, Tremco recommends adequate ventilation and air flow to promote sufficient drying times.
- ❑ Storing or installing TREMproof 200EC in cool or high relative humidity environments will dramatically increase the time needed for the TREMproof 200EC to cure.
- ❑ Not suitable for use as a UV exposed or trafficable coating.
- ❑ TREMproof 200EC should not be applied over moving dynamic joints or cracks. Consult your Tremco Technical service team for more information.

TYPICAL PHYSICAL PERFORMANCE	
PROPERTY	TYPICAL VALUES
Type	Water-Based Epoxy Primer
Volume Solids	45%
Mixing Ratio	1:1
Pot Life (@ 25°C, 50% RH)	2 hours
Re-Coat (@ 25°C, 50% RH)	4 hours
Water Vapour Transmission Rate	1.3g/m ² /24 hours 0.4mm DFT
Hydrostatic Head Resistance	250 kPa (25 m head) at 0.4mm DFT

CONDITIONS PREPARATION FOR CONCRETE SURFACES

1. Concrete shall be water-cured and attain a 20 MPa minimum compressive strength. No ponding water should be present, consult Tremco technical services for project specific advice where required.
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. Spalled areas shall be cleaned free of loose contaminants prior to repair. Because jobsite conditions vary, it is recommended that you contact your local Tremco Representative. Depending on the substrate and depth of the spalled areas, a TREMcrete repair product will be recommended as the best method of repair.

USAGE

The following is a guide to estimate material usage:

Coverage Rate	Thickness	
3 - 5 m ² /L	0.20 - 0.33mm WFT	0.1 - 0.15mm DFT

METHOD OF APPLICATION - PRIMER

1. Pre-mix the TREMproof 200EC Part A with a suitable electric paddle mixer at a rate of 500rpm for a minimum of 2 minutes, ensuring there is no settlement at the base of the drum.
2. Pre-mix the TREMproof 200EC Part B with a suitable electric paddle mixer at a rate of 500rpm for a minimum of 2 minutes, ensuring there is no settlement at the base of the drum.
3. Combine the TREMproof 200EC Part A and B, then mix with a suitable electric paddle mixer at a rate of 500rpm for a minimum of 2 minutes. Ensure there is no streaks or striations.
4. All porous substrates must be primed with TREMproof 200EC primer at a rate of 3 – 5 m²/L. Coverage rate will depend on the porosity of substrate.
5. Allow TREMproof 200EC primer to cure before applying Tremco polyurethane sealant or membrane. If TREMproof 200EC primer has been left for more than 24 hours or has

been contaminated with dirt/debris, clean with water and lightly scuff, then apply a new coat of TREMproof 200EC primer.

- Where physical abrasion methods such as shot blasting, sand blasting or grinding have been used on a concrete substrate, a minimum of 2x coats of TREMproof 200EC primer must be applied.
- Ensure to work the TREMproof 200EC primer into the substrate surface to fill voids and eliminate pin-holes. Where pin-holes or bubbles are observed in the cured coating, additional coat/s of TREMproof 200EC primer must be applied prior to subsequent membrane application. Successive coats should be applied at right angles to the previous coat.
- It is recommended to apply the TREMproof 200EC primer to a 'cooling substrate' (after the hottest part of the day) to minimise out-gassing and reduce the risk of pin-holes or bubbles.
- When the substrate has a high moisture content (greater than 4.5% when measured using a Tramex CME-4 moisture meter), a minimum of 2x coats of TREMproof 200EC primer must be applied to provide an effective vapour retarder.

METHOD OF APPLICATION-NEGATIVE HYDROSTATIC BARRIER

- Each component must be individually mixed to eliminate settling of the component material.
- Thoroughly mix the two components together at the ratio of 1:1 until a homogeneous appearance is obtained. It is suggested to only mix the total volume required for application, and to avoid aeration during mixing.
- TREMproof 200EC should be applied at a rate of 3-5 m²/L per coat, coverage rate will depend on the porosity of substrate. A minimum of 3 coats of TREMproof 200EC should be applied when being used as a negative hydrostatic barrier, to achieve a minimum 0.4mm DFT.
- Allow TREMproof 200EC to dry for a minimum of 4 hours (@ 25°C, 50% RH) before applying subsequent coats of TREMproof 200EC. If coating has been left for a prolonged period (>48 hours) or has become contaminated with dirt/debris, please clean with water and apply a new coat of TREMproof 200EC, a light scuff of the TREMproof 200EC coating may also be required. Consult Tremco technical services for further information.
- Ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Where pinholes are observed in the cured coating, an additional coat of TREMproof 200EC should be applied. Successive coats should be applied at right angles to the previous coat. Consult Tremco technical services for further information.

CLEAN UP

- Wash all equipment in water or water/detergent immediately on completion of application and mixing.
- Ensure dirty equipment is not left soaking in water.

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 vapor, which then condenses at the concrete-primer interface before the primer has cured and may cause pin holes, ultimately interfering with proper adhesion. If this should occur, Tremco recommends using a second coat primer.

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.