

TREMproof® 300 EC

TWO PART WATERBORNE INDUSTRIAL EPOXY COATING

Key Benefits Summary

- For use as a wall and floor surface coating.
- Non flammable.
- Negligible odour and toxicity.
- Excellent adhesion to most substrates including brick, masonry, concrete block, concrete, compressed fibre board, stone and timber.
- Resists mildew, mould and bacteria growth.
- Withstands steam and chemical cleaning
- Long pot life and short touch dry time.
- Aged coating may be re-coated with minimal surface preparation.
- Easy graffiti removal from cured finish.

PRODUCT INFORMATION

DESCRIPTION

TREMproof® 300 EC is a high performance two component water based industrial epoxy coating system. TREMproof® 300 EC is designed for floor and wall applications where durability and chemical and abrasion resistance is required.

USAGE/PURPOSE

TREMproof® 300 EC is a low odour, hard wearing and chemically resistant finish coating for industrial, commercial and hygiene areas subjected to rigorous cleaning or high wear.

Recommended uses

- Abrasion and chemical resistant floor coating without non-skid properties
- Anti-graffiti coating for high traffic areas such as railway stations, car parks etc.,
- Mould and bacteria resistant hard finish for wash rooms, shower cubicles, canteen areas and food preparation areas
- Finish coating in areas requiring low flame spread qualities

PACK SIZE

Available in 2x10 litre pails.

COLOUR

Available in light grey.

TECHNICAL INFORMATION

COMPOSITION

TREMproof® 300 EC is a uniform paste epoxy coating.

CHARACTERISTICS

- SPECIFIC GRAVITY Approx. 1.25 @ 25°C
- VOLUME SOLIDS 40%
- WEIGHT SOLIDS 50%
- POT LIFE 2 hours @ 25°C

PERFORMANCE (Typical Properties)

- VISCOSITY
Approx. 2000cps
- RE-COAT TIME
6-8 hours @ 25°C 50% RH
- FULL CURE
7 days @ 25°C 50% RH

COVERAGE RATES

- DECORATIVE
5-7m²/litre/coat
- INDUSTRIAL
2-4m²/litre/coat

NOTE: Typical Properties should not be used as Specifications.

USAGE GUIDELINES SURFACE PREPARATION

- All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means.
- All surfaces must be cleaned free from dirt, grease, oil or other surface contaminants. Holes, non-structural cracks and other surface deformities should be repaired using a Third Party product in accordance with the technical data sheets.
- Very porous or "boney" concrete may require 3 coats of TREMproof® 300 EC. The first coat acting as a primer should be diluted 10-20% with water to allow penetration into the pores of the concrete.
- Ensure recoat times are adhered to between applications (refer to precautions). A minimum of 6 hours is required between coats, preferably overnight if temperature is below 20°C.

MIXING

- Mixing should be by means of a mechanical forced action mixer with a high shear stirrer



TREMproof® 300 EC

- First, premix each individual component to form a homogeneous coating
- Second, join the two components by equal volume, mixing thoroughly for a minimum of 5 minutes until a homogeneous blended coating is obtained
- Avoid trapping air during mixing, this may cause later pin holing in the coating during application
- Only mix as much as may be used within the pot life of the product

PLACING

- TREMproof® 300 EC is a minimum two-coat system.
- Applying with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats should be applied at right angles to the previous coat.
- It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.

CLEAN UP

Wash all equipment in water or water/detergent immediately on completion of application and mixing.

TREMproof® 300 EC will cure under water, hence ensure dirty equipment is not left soaking in water.

PRECAUTIONS

- TREMproof® 300 EC cure rates will be dramatically reduced if relative humidity is above 85%.
- TREMproof® 300 EC is a coating and not a waterproof membrane.
- Do not apply to steel or metal surfaces, as corrosion will occur.
- Do not add cementitious products to TREMproof® 300 EC.
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided during curing cycle to enable adequate evaporation of the coating.
- TREMproof® 300 EC will tend to yellow and/or chalk when exposed to UV light.
- Discard any material that has exceeded the pot life or working time of the product.
- Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.

COLD SUBSTRATES & COOL CLIMATE CONDITIONS

- TREMproof® 300 EC cure rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.
- If TREMproof® 300 EC is applied in cold or cooler climatic conditions, substrate temperatures can produce amine blush, resulting in an oily residue and/or areas of uncured tacky discolouration (usually off white or yellow).

- If amine blush or any other form of surface contamination or discolouration appears on the coating, TREMproof® 300 EC should be allowed to cure and then be washed with clean fresh water, Methylated Spirits or Xylene depending on the severity of the amine blush.
- Ensure thorough removal of contamination prior to the application of any further coating.
- Failure to perform this procedure will result in delamination between coatings.
- Follow the mixing instructions exactly. Mixing slightly longer (eg. extra 1 minute) after homogeneous paste is obtained is better than under mixing.
- Allowing the product to stand for approximately 5 minutes after mixing will assist in accelerating the drying reaction.
- Never apply thin coats as the rapid moisture loss will arrest or slow the drying reaction.
- Thin coats can result in amine blush presence on the surface producing uncured or tacky areas.
- If possible store the TREMproof® 300 EC in a 20°C environment 24 hours prior to use.
- If possible warm the substrate surface area where TREMproof® 300 EC is to be applied by air blower or use a blower after application.

HEALTH & SAFETY PRECAUTIONS

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

STORAGE

Store between 10°C and 30°C away from direct sunlight.

SHELF LIFE

12 months when stored as recommended in original unopened packaging. Partly used containers must be sealed tight when not in use.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives. 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.