

PRODUCT DESCRIPTION

TREMproof 3300 HD is a self-adhesive, SBS based bituminous waterproofing membrane that is self-protected with a high-density polypropylene (HDPE) facer.

USAGE/PURPOSE

TREMproof 3300 HD is best used to waterproof the following:

- Retaining walls
- Back-filled basement walls

FEATURES & BENEFITS

- Self-Adhesive improves safety on-site as no torch or additional heat source is necessary for installation.
- Self-protected eliminates the added cost and time of installing protection board against the membrane.
- Manufactured to a preset 1.6mm uniform thickness ensures the client that the membrane is installed to the correct thickness.
- 20m² rolls allow for large areas of the waterproofing to be installed with minimal seams, allowing for faster construction when compared to other methods.
- TREMproof 3300 HD can be back-filled against immediately after installation, allowing for accelerated construction.

PACKAGING

1m wide x 20m long rolls

COLOUR

Black

SHELF LIFE

12 months when stored as recommended in original unopened packaging.

STORAGE

Store in a dry place in an upright position in original packaging.

LIMITATIONS

- Not to be used as an external trafficable coating.
- Not compatible with cold-tar, TREMproof 201/60 or TREMproof 250GC.
- Do not apply to damp or contaminated surfaces.
- The surface temperature for product application should be between 10°C - 30°C. The TREMproof 3300 HD will lose tack during cold temperatures and become more difficult to work with.



SUBSTRATE PREPARATION FOR CONCRETE SURFACES

- 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. Pending environmental conditions, this moisture reading is usually achieved prior to 28 days.
- All surfaces must be structurally sound, free of dirt, grease, oil, release agents and or other contaminants.
- All surface imperfections, non-structural cracks etc should be repaired with an appropriate repair mortar from Tremco's TREMcrete product range.

SUBSTRATE PREPARATION FOR METAL SURFACES

All surfaces shall be sand-blasted to meet the requirements of AS 1627.4, class 2.5 for "Near White Metal".

JOBSITE MATERIALS

Recommended materials and their uses are as follows:

- TREMproof Torch Bitumen Primer: A solvent based, film forming, adhesion promoting primer, for use with the TREMproof Torch products and TREMproof 3300HD.
- Dymonic 100: A one-part, exceptional movement (+100/-50%) moisture-curing, gun grade polyurethane sealant for use in precast, masonry, expansion joints, control joints and for use in forming cant/fillet bead.
- TREMflex 50: A one-part, high movement (+/-50%) moisture-curing, gun grade polyurethane sealant for use in precast, masonry, control joints and for use in forming cant/fillet bead.
- Paramastic: Bentonite infused mastic used for creating fillets and detailing laps and penetrations.

TYPICAL PHYSICAL PROPERTIES

CHARACTERISTICS	TEST METHOD	TREMproof 3300 HD
Chemistry		SBS Bitumen
Protective Facer		HDPE - High Density Polyethylene
% Solids	By Volume	100%

USAGE

The following is a guide to estimate material usage:

Product	Coverage Rate	
	TREMproof Torch Bitumen Primer	4-8m ² /L
TREMproof 3300 HD	20m ² per Roll	

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

PRIMING

Note: Do not apply primers, sealant or membranes to a frosty, damp or wet surface or when substrate temperature is below 4°C or the surface temperature is above 43°C. Cure times as stated below are based upon standard ambient conditions of 23°C, 50% RH. A decrease in ambient temperature and humidity will significantly lengthen the cure time.

1. TREMproof 3300 HD requires TREMproof Torch Bitumen Primer prior to application of the TREMproof 3300 HD membrane. Please refer to appropriate product data sheet regarding application instructions.

JOINT PREPARATION

- ❑ All joints must be clean, sound, dry, and free of dirt, grease, oil, release agents and other contaminants.
- ❑ All floor to wall and hob to wall joints must have a 15mm wide bond breaker sealant of Tremco's TREMflex 50 or Dymonic 100 prior to installation of the TREMproof 3300 HD membrane.
- ❑ All expansion and movement joints should be treated with the appropriate Tremco sealant, TREMflex 50 or Dymonic 100, based on joint expected movement requirements, and applied to the correct width to depth ratio (2:1). A closed cell polyethylene bond breaker tape must be used prior to sealant installation to prevent 3-sided adhesion.
 - If the joint is expected to expand to a full width >50mm, Tremco's Dualflex or Hypaflex membrane will be needed in lieu of sealant.

METHOD OF APPLICATION

- ❑ Minimum application requirements set forth by the NCC and relevant standards (AS 3740) & (AS4654.2) should be followed, as well as project specific detail requirements/recommendations by Tremco.
- ❑ TREMproof 3300 HD can be applied vertically or horizontally. TREMproof 3300 HD membrane shall be lapped onto previous sheet a minimum of 100mm when overlap is in plane. All other transitions should have a minimum of 150mm overlap. All horizontal laps should be shingled properly to shed water.
- ❑ All non-factory, cut edges, seams not oriented to shed water and edges at the end of the day's work shall be detailed with Dymonic 100 or Para-Mastic.

CLEAN UP

- ❑ Clean all adjacent areas to remove any stains or spills with Tremco Xylol.
- ❑ Clean tools or equipment with Tremco Xylol before materials cure.
- ❑ Clean hands by soaking in hot, soapy water, then brushing with a stiff-bristle brush.

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.

1. When a deck/wall contains too much moisture, the moisture may change into a vapour, which then condenses at the concrete-membrane interface and cause blisters to develop under the TREMproof 3300 HD membrane, ultimately interfering with proper adhesion. If this should occur, the blisters can be cut out, allowing moisture to escape. After moisture has escaped and the surface is dry, the area can be repaired.

HEALTH & SAFETY PRECAUTIONS

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

TECHNICAL SERVICE

Tremco CPG Australia Pty Ltd 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.

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