TREMCO
Construction Products Group

TREMstop Hydro Mastic
One-component, Swellable Mastic

PRODUCT DESCRIPTION
TREMstop Hydro Mastic is a one-component, solvent-free sealing compound based on polyurethane technology which swells in contact with water for the sealing of joints and pipe penetrations.

USAGE/PURPOSE
TREMstop Hydro Mastic is specifically designed for the following applications:
- ❑ Sealing of flat and uneven construction joints
- ❑ Sealing of joints between prefabricated concrete elements (cable and pipe penetrations/ducts) including manholes, box culverts
- ❑ Sealing of connections between steel girders and concrete floor slabs
- ❑ Sealing of uneven surfaces and concrete substrates
- ❑ Fixing of swelling tapes and injection hoses
- ❑ Sealing of distance tubes
- ❑ Sealing between sheet piles and concrete floor slabs

FEATURES AND BENEFITS
- ❑ Solvent-free
- ❑ Outstanding adhesion and filling characteristics ensure safe and reliable cavity filling
- ❑ Can be applied to concrete, PVC, HDPE, fibre-glass and steel
- ❑ Swells to up to approximately 350% of its original, dry state upon contact with water
- ❑ TREMstop Hydro Mastic is a very flexible sealant and adapts well to uneven/rough surfaces
- ❑ Easy application with a standard caulking gun
- ❑ Excellent resistance to chemicals

(Seek project specific advice from Tremco CPG)

PACKAGING
600ml Sausages - 20 per box

COLOUR
Grey

SHELF LIFE
Maximum 18 months when stored as recommended in original unopened packaging.

STORAGE
Store unopened sausages in a dry place at temperatures between 5°C and 30°C.

LIMITATIONS
- ❑ Do not apply in standing water and or rain.

SUBSTRATE PREPARATION FOR CONCRETE SURFACES
- ❑ Concrete shall be water-cured and attain a 20 MPa minimum compressive strength.
- ❑ All surfaces must be structurally sound, free of dirt, grease, oil, release agents and or other contaminants.
- ❑ Major surface imperfections, should be repaired with an appropriate repair mortar from Tremco's TREMcrete product range.
- ❑ Surfaces where TREMstop Hydro is to be installed should be trowelled smooth. Remove all loose debris and sweep the surface prior to installation.

TYPICAL PHYSICAL PERFORMANCE	
PROPERTY	**TYPICAL VALUES**
Solids	95-97%
VOC Content	80g/Ltr
Minimum Cover	70mm
UNCURED	
Viscosity	Gel/Paste
Density at (20°C)	Approx. 1.4kg/dm^3
Slump Inverticle Applications	Max 3mm @ 23°C
Surface Dry	2.5 hours
Tack free (@ 23°C and 60% RH)	Approx. 8 hours
CURED (7 Days at 25°C and 10mm Thick)	
Elongation at Break	1250% - (ASTM D412)
Tensile Strength	2.94 MPa (ASTM D412)
Swelling Capacity in Contact with Water	Approx 350% of its original Dry Volume
Hardness	35 (ASTM D2240)
Tear Strength	9.8 N/MM (ASTM D624)

METHOD OF APPLICATION

- ❑ Put the sausage in the empty tube of the caulking gun and cut 1cm off the top of the sausage. Close the tube and install the nozzle. Cut the nozzles diagonally at the appropriate position.
- ❑ TREMstop Hydro Mastic is applied in an uninterrupted band(minimum 10mm wide and high), placed with a caulking gun in the middle of the joint or prefab element(minimum concrete cover is 7cm)
- ❑ In case of fresh concrete, TREMstop Hydro Mastic should be covered by at least 7cm of concrete on both sides, in order to avoid concrete cracking from the expansion pressure of swelling TREMstop Hydro Mastic.

CLEAN UP

Excess sealant and smears adjacent to the joint interface can be carefully removed with Tremco Xylol before the sealant cures. Any utensils used for tooling can also be cleaned with Tremco Xylol, mineral spirits or white spirits. Clean hands with Acetone or other mild solvent then brushing with a stiff-bristle brush. Water will accelerate the curing of the TREMstop Hydro Mastic.

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

Any information provided by Tremco CPG Australia in this document in relation to Tremco CPG Australia's goods or their use is given in good faith and is believed by Tremco CPG Australia 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 CPG Australia 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.

CONTACT OUR TEAM

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