TREMCO
Construction Products Group

TREMstop Hydrophilic Waterstop

Expanding Joint Sealing Profile for the Sealing of Joints

PRODUCT DESCRIPTION

TREMstop Hydro is an expanding joint sealing profile that swells upon contact with water, whilst remaining dimensionally stable.

USAGE/PURPOSE

Typical applications include construction joints in:

- ❑ Sewerage & water treatment plants
- ❑ Pipe penetrations
- ❑ Subway stations
- ❑ Swimming pools
- ❑ Basements
- ❑ Reservoirs
- ❑ Tunnels
- ❑ Pits

FEATURES AND BENEFITS

- ❑ TREMstop Hydro is an extruded TPE-based alloy made from rubber, hydrophilic resin, polyethylene, silicon and special admixtures
- ❑ Suitable for the use in both vertical and horizontal joints in prefabricated elements
- ❑ TREMstop Hydro has been developed for the successful sealing of joints up to 5 bar water pressure.
- ❑ Swelling volume more than 400%
- ❑ Easy to install
- ❑ Approved for the use in wastewater, slurry and animal manure

PACKAGING

- ❑ TREMstop Hydro 2010 AD: 20mm x 10mm x 8m Roll (adhesive backed)

COLOUR

Green

SHELF LIFE

3 years

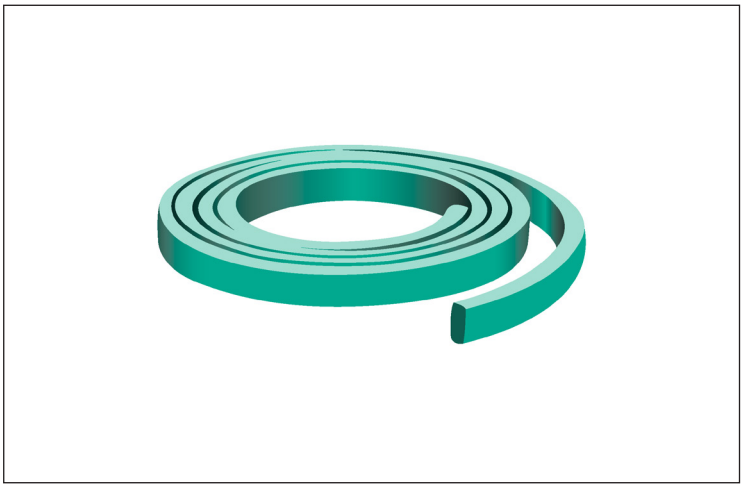
STORAGE

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

LIMITATIONS

TREMstop Hydrophilic Waterstop is not recommended for:

- ❑ Do not apply in standing water and or rain.
- ❑ Do not allow TREMstop Hydro to swell prior to concrete placement.



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 troweled smooth. Remove all loose debris and sweep the surface prior to installation.

METHOD OF APPLICATION

SMOOTH SURFACE (ADHESIVE BACKED):

- ❑ Lay TREMstop Hydro along concrete surface next to where the Waterstop is to be placed.
- ❑ Peel protective backing paper off TREMstop Hydro a section at a time, turn the waterstop over and press firmly down onto prepared concrete surface making sure it is fully bonded to the concrete. A bead of TREMstop Hydro Mastic should be placed across any joins.

SMOOTH SURFACE (NON ADHESIVE BACKED):

- ❑ Lay TREMstop Hydro along concrete surface next to where the Waterstop is to be placed.
- ❑ A layer of brush-able grade solvent based contact adhesive is to be brushed onto the concrete 30mm wide and a layer brushed onto one side of the Waterstop.
- ❑ When touch dry, turn the Waterstop over and press firmly down onto the concrete surface, this will give an excellent bond.

Note: TREMstop Hydro Mastic can be used in lieu of the contact adhesive as an alternative (Refer to rough surface details for installation guidelines). A bead of TREMstop Mastic should be placed across any joins.

TYPICAL PHYSICAL PERFORMANCE	
Working Material	TPE
Shore A	38
Elongation at Break	490/770%
Tensile Strength	1.1/2.1 MPa
Specific Weight	1, 25g/cm^3
Swelling Pressure	0.56 N/mm^2
Volume of Swelling	More than 400%
Concrete Cover	Min. 8 to 10cm

ROUGH SURFACE:

- ❑ Lay TREMstop Hydro profiles should be fixed into position onto rough concrete surfaces using TREMstop Hydro Mastic.
- ❑ The Mastic is to be applied to a clean dry surface via a standard caulking gun and is used to build up the rough concrete to a smooth surface i.e. the Mastic fills the imperfections in the concrete.
- ❑ Place the TREMstop Hydro onto the bead of Mastic, using moderate hand pressure, press the TREMstop Hydro down into the Mastic until the Mastic oozes out from under the TREMstop Hydro profile and there are no visible gaps between the TREMstop Hydro and the concrete surface.

Note: For horizontal and vertical applications it may be necessary to use concrete nails in conjunction with the TREMstop Hydro Mastic.

Note: Please take care not to cause cracking in the concrete. Do not place concrete until the Mastic has cured sufficiently to avoid displacement during concrete pour. A bead of Mastic should be placed across any joins.

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.

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