

## PRODUCT DESCRIPTION

TREMcrete Plug is a one component, rapid hardening plug composition for permanent stopping of water seepage and pressure leaks through cracks and construction joints in concrete, rock, wooden and masonry structures. TREMcrete Plug is chloride free, ready for use grey powder based on Portland cement with special additives.

## USAGE/PURPOSE

TREMcrete Plug can be used for the vertical, horizontal and overhead applications stopping water from static cracks and holes in:

- Water Storage Tanks
- Basements
- Building Foundations
- Retaining Walls
- Sewers
- Below Ground Car Parks
- Mines

## FEATURES & BENEFITS

- Mixed with only water or can be used as a dry powder
- Stop water flow
- Fast setting with rapid strength development
- Permanent durable repair
- Can be installed underwater
- High water stopping power and hydraulic resistance
- Good adhesion to repaired material
- Non-toxic
- Easy application



## PACKAGING

15kg Pail

## COLOUR

Grey

TREMcrete Plug

PROPERTIES	
PROPERTY	TYPICAL VALUES
Appearance	Cementitious grey powder
Grain Size	Max 1.0mm
Bulk Density	Approx 1.3g/cm <sup>3</sup>
Initial Setting Time	30 seconds (after mix)
Temperature for Application	5-40°C
Compressive Strength (MPa)	60mins: 7.6 1 day: 26.7 28 days: 36.4
Flexural Strength (MPa)	28 days: 7.7
Bond Strength (MPa)	28 days: 6.8

### SHELF LIFE

12 months when stored as recommended in original unopened packaging.

### STORAGE

Store in original, undamaged packaging in a clean, dry, protected location.

### LIMITATIONS

TREMcrete Plus should not be used in decorative applications. In certain environments the product may exhibit "blooming", which while not detrimental to the products performance may be aesthetically displeasing.

### SURFACE PREPARATION

- Totally remove any weak, spalling, or unconsolidated concrete and thoroughly clean surface. Any existing coating or material which may contribute to bonding issues shall be totally removed.
- High pressure water blasting, wire brushing or grit blasting may be required to prepare the leak area to receive the TREMcrete Plug.

### APPLICATION

- Thoroughly and quickly mix the powder and water for no more than 60 seconds in approximately mass ratio of 3:1 (3 parts powder to 1 part water). Some heat will be released.
- Quickly place the mixed mortar firmly into the leaking voids and hold in place for a minimum of 30 seconds with a gloved hand or trowel until the mortar is sufficiently hard to remain in place.
- If desired, remove any excess TREMcrete Plug from the repair area flush with the substrate.
- When the leak is completely stopped, TREMcrete NWP can be applied over the TREMcrete Plug mortar. Please refer to the TREMcrete NWP product data sheet regarding application.
- If the water pressure is very high and dislodges the applied mortar, use a timber plug or similar which can then be covered and secured with TREMcrete Plug mortar.
- It is suggested to work from the lowest leaking point up towards the highest leaking point when applying the TREMcrete Plug. A new mix of TREMcrete Plug is required for each leaking point.

*Note: where high water pressure exists, it is suggested to drill a hole(s) into the substrate, insert a tube and allow the water pressure to release before the application of TREMcrete Plug on the existing leaking points. The tubes may then be removed before applying the TREMcrete Plug.*

### CLEAN UP

All tools must be cleaned with water after use. Hardened TREMcrete Plug can only be removed mechanically.

### HEALTH & SAFETY PRECAUTIONS

- The Safety Data Sheet (SDS) must be read and understood prior to use.
- Protective gloves and clothing are recommended.
- Avoid contact with skin.

### 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.