

TREMflex[®] 25

ONE PART MEDIUM MODULUS POLYURETHANE ELASTOMERIC SEALANT

Key Benefits Summary

- Wide movement accommodation $\pm 25\%$
- Very Flexible
- Rapid Cure
- Over paintable
- Excellent adhesion to most common building substrates
- Hard wearing

Standards

- ASTM C-920
- SNJF Class 1 Elastomeric

PRODUCT INFORMATION

DESCRIPTION

TREMflex[®] 25 is a one part medium modulus polyurethane based elastomeric sealant.

USAGE/PURPOSE

- Perimeter sealing of windows.
- Curtain wall sealing.
- Masonry joints.
- Precast and tilt panel expansion/construction joints.
- Sealing of sheet metal and building claddings.
- General sealing of construction joints.

LIMITATIONS

Not suitable for prolonged immersion in water.

Not suitable for joints subject to traffic.

COLOURS

White, black, grey, sand.

PACKAGING

TREMflex[®] 25 is packaged in:

- 600ml sausages (20 per carton)

COMPOSITION

TREMflex[®] 25 is a one part moisture curing polyurethane sealant.

CHARACTERISTICS

- SPECIFIC GRAVITY
(at 25°C) Approx. 1.20
- HARDNESS (ISO 868/3 sec)
25 Shore A

PERFORMANCE (Typical Properties)

- SERVICE TEMPERATURE RANGE
-30°C to + 90°C (cyclic)
- SHRINKAGE
Negligible
- MODULUS
0.30 MPa
- ELONGATION @ BREAK (ISO 8339)
>250%
- SLUMP RESISTANCE (ISO 7390)
Good
- SKINNING TIME
2 hrs (@ 23°C and 65% RH)
- CURE TIME
3mm per 24hrs (@ 23°C and 65% RH)
- MOVEMENT (ISO 11600)
 $\pm 25\%$

(NOTE: Typical properties should not be used as specifications)



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USAGE GUIDELINES

JOINT DESIGN CONSIDERATIONS

- Joint size should be 4 times the anticipated movement.
- For optimum performance, the width to depth ratio of TREMflex 25 should be 2:1 subject to a minimum depth of 10mm on porous substrates and 6mm on non-porous substrates.
- Sealant width should never be less than sealant depth.
- For fillet joints the minimum bite onto each surface should be 10mm for porous substrates and 6mm for non-porous substrates.

SUBSTRATE PREPARATION

- Joint faces should be clean, dry, sound and free from any contaminants likely to impair adhesion.
- Remove any loose or friable surfaces such as cement laitence etc.
- If necessary clean substrate with Xylol or Methyl Ethyl Ketone (MEK), do not use soap and water. If required, apply the recommended Tremco Primer and allow to dry.

APPLICATION

- Recommended application temperature range +5°C to +40°C.
- Install an approved closed or open cell round polyethylene joint backing to control the depth of sealant. Use correct size backing rod to achieve recommended compression (approx 20-30%).
- A self adhesive bond breaker tape can be used when the joint shape does not allow the use of joint backing.
- Dry tooling is recommended, immediately after application of sealant.

PRIMING

TREMflex 25 does not need a primer for most building substrates. However, for new applications, field adhesion testing is recommended before commencement of the main installation. TREMCO can also provide laboratory substrate adhesion tests at customer request.

METHOD OF APPLICATION

TREMflex 25 is supplied in a non-sag consistency which guns easily using conventional skeleton guns for cartridge and full barrel bulk guns for sausages.

COVERAGE RATE

(Approximate Linear Metres per 600ml sausage)

WIDTH	6mm	10mm	15mm	20mm	25mm
DEPTH					
6mm (min)	16	10	-	-	-
10mm	-	-	4	3	2.4
12mm (max)	-	-	-	-	2

CLEANING

Remove excess sealant and smears adjacent to the joint (use masking tape where appropriate). Equipment may be cleaned with MEK, Xylol or Toluol, cured sealant can only be removed mechanically.

HEALTH AND SAFETY PRECAUTIONS

- Avoid contact with skin and eyes. May cause irritation and skin sensitisation. Product contains flammable solvent. Always ensure adequate ventilation and keep away from flames and ignition sources.
- Material Safety Data Sheet must be read and understood before use.

STORAGE

Store in shaded dry conditions between +5°C and +25°C.

SHELF LIFE

9 months when stored as recommended in original unopened containers.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specifications 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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