

PRODUCT DESCRIPTION

TREMfil® Polycarbonate Sealant is a one part waterborne acrylic co-polymer sealant formulated to have excellent adhesion to most plastics and porous surfaces, with very high movement handling capability and excellent UV resistance - making it ideal for sealing of problem areas such as joints in polycarbonate roofs and windows, roofing tiles that are still damp etc.

USAGE/PURPOSE

- Concrete and terracotta roof tiles
- Polycarbonate roofing and windows
- Timber windows and frames
- Cladding joints and connections
- Portable building joints
- Timber joints
- Zinalume*, Galvabond*, Colorbond*

*Registered trade marks of BHP Coated Steel Division

PACKAGING

- 300ml Cartridge packed 20 per carton.

COLOUR

- Translucent
- Redwood Tan

FEATURES & BENEFITS

- Non toxic
- Water clean up
- Paintable
- May be applied to damp surfaces
- Highly flexible
- Excellent adhesion to polycarbonate and most plastics
- Excellent UV resistance Mildew and fungus resistance safeguards concrete surfaces against environmental contaminants.

STANDARDS

TREMfil® Polycarbonate Sealant meets the following standards:

- US Federal Specifications TT-S-00230C, Class A (when tested in Aymar Cyclic Movement Test)

LIMITATIONS

- Not for continuous water immersion.
- Not for trafficable floor joints.
- Do not apply when rain exposure is expected within 90 minutes from application.



- If applied to permanently damp substrates, may require extended curing time or may be prevented from curing completely - depending on the substrate moisture and humidity conditions.
- Translucent colour has an opaque appearance when first applied, this changes to translucent when the material cures.
- Translucent colour may temporarily become opaque in high humidity environments, this does not effect performance.

JOINT DESIGN CONSIDERATIONS

1. Minimum joint size should be 4 times the anticipated movement.
2. For optimum performance, the width to depth ratio for TREMfil® Polycarbonate Sealant should be 2:1 subject to a minimum depth of 10mm on porous substrates and 6mm on non-porous substrates.
3. Maximum recommended sealant depth is 16mm.
4. Sealant width should never be less than sealant depth.
5. For fillet joints the minimum bite onto each surface should be 10mm for porous substrates and 6mm for non-porous substrates.

SURFACE PREPARATION

1. Recommended application temperature range +5°C to 40°C
2. If required, install an approved closed cell round polyethylene foam rod (supplied by Tremco). Use correct size backing rod to achieve recommended compression (approx. 20% to 30%)
3. A self adhesive bond breaker tape can be used where the joint shape does not allow the use of backing.
4. Dry tooling is recommended immediately after application of sealant.

TYPICAL PHYSICAL PROPERTIES

| PROPERTY | RESULT |
|-----------------------------|--|
| Specific Gravity | Approx. 1.04 |
| Tack Free Time | Approx. 60 Minutes (depending on conditions) |
| Tooling Time | Approx. 20 Minutes (depending on conditions) |
| Curing Time | 4 Days (depending on conditions) |
| Movement Capability | +/-25% |
| Elongation | 1100% @ 25°C |
| | 695% @ -18°C |
| Operating Temperature Range | + -20°C to + 90°C (cyclic) |

NOTE: Typical properties should not be used as specifications.

PRIMING

Priming is generally not required. For advise please consult your nearest TREMCO office.

COVERAGE RATE

Approximately 5m per 300ml cartridge for a 10mm x 6mm deep joint.

CLEANING

Uncured Polycarbonate Sealant may be cleaned off with a damp rag.

SHELF LIFE

9 months minimum when stored as recommended in original unopened containers.

STORAGE

Store in original unopened packaging in dry conditions between 5°C & 30°C.

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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