

TREMfil® Polycarbonate Sealant

ONE PART LOW MODULUS WATERBORNE ACRYLIC CO-POLYMER SEALANT

Key Benefits Summary

- Non toxic
- Water clean up
- Paintable
- May be applied to damp surfaces
- Highly flexible
- Excellent adhesion to polycarbonate and most plastics
- Excellent UV resistance

Standards

TREMfil® Polycarbonate Sealant meets the following standards:

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

PRODUCT INFORMATION

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

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.

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- 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.

COLOURS

Translucent, Redwood Tan

PACKAGING

300ml Cartridge packed 20 per carton.

TECHNICAL INFORMATION

COMPOSITION

Polycarbonate Sealant is a one part, low modulus, waterborne acrylic co-polymer sealant.

CHARACTERISTICS

- SPECIFIC GRAVITY
Approx. 1.04

PROPERTIES (Typical Properties)

- TACKFREE 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.

**Product previously referred to and TREMfil® 101



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USAGE GUIDELINES

JOINT DESIGN CONSIDERATIONS

- Minimum joint size should be 4 times the anticipated movement.
- 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.
- Maximum recommended sealant depth is 16mm.
- 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.

SURFACE PREPARATION

- Recommended application temperature range +5°C to 40°C
- 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%)
- A self adhesive bond breaker tape can be used where the joint shape does not allow the use of backing.
- Dry tooling is recommended immediately after application of sealant.

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.

HEALTH AND SAFETY PRECAUTION

Material Safety Data Sheet (MSDS) must be read and understood before use.

STORAGE

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

SHELF LIFE

9 months minimum 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

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.