

M1 SEALANT



ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

WALLS

TECHNICAL DATA SHEET

ANZ-TDS-150-M1-SEALANT

DESCRIPTION

M-1® is a moisture curing, polyether adhesive/sealant designed for applications in damp, dry, or cold climates. M-1® is solvent free and contains no isocyanates.

M-1® will not shrink upon curing, will not discolor when exposed to UV light, and can not "out-gas", or bubble on damp surfaces as urethane sealants often do.

M-1® is capable of joint movement in excess of 35% in both compression and extension. M-1® can be used effectively in many difficult construction site conditions such as wet or dry climates and at temperatures as low as 0°C.

FIELD OF APPLICATION

- Expansion joints
- Pre-cast concrete
- Block and Masonry
- Window and door frames
- Weather Sealing

INSTALLATION PROCEDURE

SUBSTRATE:

- Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces with alcohol DO NOT USE petroleum solvents such as mineral spirits or xylene.

APPLICATION:

- Maintain M-1® at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion. Carefully gun the sealant with a smooth, continuous bead. If tooling is needed, do so within fifteen minutes of application.
- Priming: In most instances M-1® will not require a primer. However, certain applications or substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine the need for a primer. SOPREMA recommends a primer be used for any application where prolonged immersion is anticipated.
- Concrete: Prior to application remove any residual contamination by mechanical abrasion, sand blasting or power washing. On green concrete, remove all release agents, friable and loose concrete. Dry all visible and standing water prior to applying M-1®. Install an appropriate backer rod to avoid three-point bonding.
- Metal: Prepare all metal to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, loose or inappropriate coatings and oils with an appropriate solvent such as alcohol. For coated substrates betested for adhesion prior to starting a project. Pleasecontact Technical Services for specific applicationguidelines and recommendations.
- Detailing: E-Curb penetration seals replace old-style metal pitch pans with versatile, precast components and pourable sealants. CHEM LINK's E-Curb System can usually be installed in under 15 minutes and never requires flashing or mechanical attachment.
- Clean-Up: Wet sealant can be removed using a solvent such as alcohol. Cured M-1® can be removed by abrading or scraping the substrate.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.



SOPREMA.COM.AU • +61 (3) 9221 6230

TDS_M1_SEALANT_01-2026

1/2

M1 SEALANT



ACCESSORY
PRODUCTS

APPLICATIONS

ROOFS

FOUNDATIONS

WALLS

TECHNICAL DATA SHEET

ANZ-TDS-150-M1-SEALANT

PACKAGING

SPECIFICATIONS	M1 SEALANT
Physical state	Gun Grade - Zero Slump
Base	Polyether
Colour	White, Gray - Special order: Tan, Limestone & Black - Color matching is available in batch quantity only
Container	148 ml / 300 ml / 600 ml
Units per Box per Pallet	36:40 / 24:45 / 12:40

PROPERTIES

PROPERTIES	METHOD	M1 SEALANT
Viscosity	Brookfield RVF TF Spindle, 4 RPM, 23°C	1,200,000 cp +/- 400,000 cp
Density	ASTM D1475	1.43 kg/L
Tack Free Time		35 min +/- 10 min at 45 +/- 5 % R.H.
Elongation at Break	ASTM D412	525%
Hardness Shore A	ASTM C661	45
Tensile Strength	ASTM D412	370 psi
Shear Strength	ASTM D1002	390 psi
Tear Strength	ASTM D624	111 pli
Shrinkage		No visible shrinkage after 14 days
Low temp.	ASTM D522	Pass -26°C with 1/4 inch mandrel

STORAGE AND HANDLING

Shelf life: Up to 12 months in original sealed containers. Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. M-1® will not freeze.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.



SOPREMA.COM.AU • +61 (3) 9221 6230

NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_M1_SEALANT_01-2026

2/2