

DESCRIPTION

Spectrem Simple Seal is an ultra-low modulus, preformed silicone extrusion specifically designed to have high elongation properties. Simple Seal is typically bonded with Spectrem 1 Silicone Sealant to a wide range of substrates to provide a watertight seal.

USAGE/PURPOSE

Spectrem Simple Seal is designed for both new construction and restoration work involving:

- Window Perimeter
- EIFS Joints
- Parapet Walls
- Skylights
- Aluminium Window Seals
- Transition Seals
- Curtain Wall Joints
- Sheet Metal Roof Joints
- Other Lap Joints

FEATURES & BENEFITS

- Cost effective alternative to cutting out existing failed sealant.
- High flexibility and movement capability.
- High tear resistance.
- Ease of installation.
- Colour fast formulation.
- Wide operational temperature range.
- Non-corrosive and corrosion resistant.
- Resistant to UV exposure and weathering.
- Capable of sealing high movement joints.
- Well suited for sensitive substrates such as exterior render.

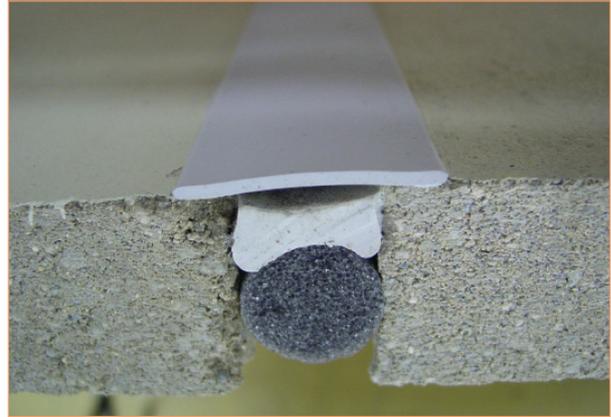
STANDARD COLOURS

- Aluminium Stone
- Black
- Bronze
- Limestone

SPECIAL COLOURS

Special colours available upon request with a 12-16 week lead time.

- Adobe Tan
- Anodized Aluminium
- Buff
- Champagne
- Dark Bronze
- Dusty Rose
- Grey
- Ivory
- Light Bronze
- Off White
- Precast White
- Rustic Brick
- Sandstone
- White



TYPICAL PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	TYPICAL VALUES
Shore A Hardness	ASTM D2240	29 to 32
Tensile Strength	ASTM D412	218 psi
Elongation at Break	ASTM D412	554%
TESTED IN ACCORDANCE WITH ASTM C1518 Specification for Pre-cured Elastomeric Silicone Joint Sealants		
PROPERTY	TEST METHOD	TYPICAL VALUES
Tear Propagation	ASTM C1523 9.4	Class PT (partial tear)
Movement Class	ASTM C1523 9.1	Class 200%
Heated Conditions Resistance	ASTM C1523 8.2.4	Pass (Class 200%)
UV Resistance	ASTM C1523 8.2.5.1	Pass (Class 200%)
Frozen Conditions Resistance	ASTM C1518 8.2.3	Pass (Class 200%)

STANDARD SIZES

- 38mm x 30.5m
- 51mm x 30.5m
- 76mm x 30.5m

SPECIAL SIZES

Special sizes available upon request with a 12-16 week lead time.

- 25mm x 30.5m
- 102mm x 30.5m
- 152mm x 30.5m
- 229mm x 30.5m
- 254mm x 15.2m
- 305mm x 15.2m

LIMITATIONS

- ❑ Do not apply on damp or contaminated surfaces.
- ❑ Do not use clear silicone sealant for the application of Spectrem Simple Seal.
- ❑ Spectrem Simple Seal should not be used under the following conditions:
 - ❑ Below grade or below water line applications.
 - ❑ Joints where physical abrasion and abuse may occur, such as traffic joints.
 - ❑ In association with building materials that release oils, plasticisers or other material.

ACCESSORY ITEMS

Spectrem 1 Silicone Sealant.

MATERIALS NEEDED

- ❑ A wire brush
- ❑ A sharp razor blade
- ❑ Masking tape
- ❑ Tremco IPA Cleaner- Iso-propyl alcohol (non-porous substrates)
- ❑ Clean, dry, lint-free cloths
- ❑ A roller at least as wide as the Simple Seal extrusion being applied (optional)

IMPORTANT NOTES

- ❑ Always perform project specific field testing to verify adhesion of the sealant to the substrates.
- ❑ When applying Simple Seal on a vertical surface, apply Simple Seal in horizontal joints prior to applying in vertical joints. At intersections between vertical and horizontal joints, the vertical bridge joint will be applied in an overlapping fashion over top of the horizontal bridge joint.
- ❑ In an effort not to puncture the membrane, ensure additional sealant is applied over mechanical fasteners or other protrusions are located on the substrate along the sealant bond line. Do not puncture the membrane.

SUBSTRATE PREPARATION

Surfaces must be sound, clean and dry. Contact surfaces should be free of loose dirt, dust, oils and any other contaminants. Tremco recommends that air temperature be 5°C or above before applying any sealant.

Always perform project-specific field testing to verify adhesion of the sealant to the substrates. Consult the application instructions provided in the Spectrem 1 data sheet to determine proper sealant application procedures.

When applying Simple Seal on a vertical surface, apply Simple Seal in horizontal joints prior to applying in vertical joints. At intersections between vertical and horizontal joints, the vertical bridge joint will be applied in an overlapping fashion over top of the horizontal bridge joint.

In an effort not to puncture the membrane, ensure additional sealant is applied over mechanical fasteners or other protrusions are located on the substrate along the sealant bond line. Do not puncture the membrane.

MASKING

Applying masking tape to the substrate surface at the width edges of the Spectrem Simple Seal to provide a clean edge.

COMPATIBLE MATERIALS

Spectrem 1 is the recommended silicone sealant to be used as the adhesive; Spectrem 2 may be suitable for use in some circumstances, adhesion to the existing substrate must be confirmed before applying Spectrem 1 or Spectrem 2 silicone sealant. Contact Technical Services for a recommendation on the specific Spectrem Silicone Sealant to use for your application.

APPLICATION

- ❑ Apply a continuous bead of Spectrem 1 sealant in a straight line along the edge of the bonding substrate. The sealant should be sufficiently wide enough that when the Simple Seal is applied, the ridges on the material are completely encapsulated in sealant.
- ❑ Unroll a length of Simple Seal approximately the length of the joint to be spanned. Install the Simple Seal material with caution to avoid stretching the extrusion as it is embedded into the sealant.
- ❑ As Simple Seal is unrolled, ensure that a clean surface exists at the bonding area. If necessary, utilise the two cloth cleaning method with Tremco's isopropyl alcohol to clean the bonding surface of Simple Seal.
- ❑ Align the Simple Seal over the joint so the ribbed portions align with the sealant beads and the Simple Seal is uniformly spaced over the joint.
- ❑ Embed the Simple Seal in the beads of Spectrem 1 and immediately use a roller to press the extrusion firmly into the Spectrem 1 Silicone Sealant. If a roller is unavailable or undesirable, a flat, hard material may be substituted and used to gently tap the face of the material, embedding the bonding surface into the sealant.
- ❑ Cut the Simple Seal extrusion at the end of the joint using a sharp razor blade and remove masking tape to eliminate the excess sealant wetted out along the bond line.
- ❑ Sealant that has wetted out from beneath the extrusion may also be tooled to achieve the desired appearance.

CLEAN UP

- ❑ Immediately after the application is complete, remove all excess sealant and smears adjacent to the joint with an approved solvent.
- ❑ Avoid contact between the cleaning solvent and the functional sealant bead prior to the sealant bead reaching a full cure. Cleaning solvent should come into contact with smears and excess sealant only.

HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) must be read and understood prior to use.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales 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.