



GTS-80

PREFORMED SILICONE GLAZING TRANSITION SEAL

Description

ENDURIT GTS-80 is an extruded ultra low modulus elastomeric pre-cured silicone seal that is typically bonded to substrates using a premium silicone adhesive sealant. **GTS-Sealant** High Performance Adhesive Sealant has been formulated specifically for this purpose. Other premium silicone sealants may also be utilized. **ENDURIT GTS-80** comes in a variety of standard shapes, colors and sizes and has been successfully used in a multitude of applications.

Features and Benefits

- ☑ Economical alternative to cutting out existing failed sealant
- ☑ Continuous watertight seal
- ☑ Colorfast standard and special colors
- ☑ Excellent tear resistance
- ☑ High-movement seal capable of +200/-75 percent
- ☑ High shear seal capable of handling required live loads
- ☑ Long-term, reliable waterproof seal
- ☑ Wide operational temperature range
- ☑ Low stress at bond line makes it suited for sensitive substrates like EIFS
- ☑ Resistant to long term UV exposure and weathering

Areas of Application

ENDURIT GTS-80 is specifically designed for numerous applications including but not limited to:

- ☑ Expansion joint seals (new and remedial)
- ☑ Window system seals
- ☑ Window perimeter joint seals
- ☑ Curtainwall seals
- ☑ Metal building applications
- ☑ Roofing seals
- ☑ IG/Window/Door seals
- ☑ Shipping container seals
- ☑ R/V and Cargo Trailer seals

Product Properties

Hardness, Shore A	ASTM D-2240	20 – 30
Tensile Strength	ASTM D-412	350 psi +
Tear Strength	ASTM D-624 (Die B)	70 lb/in +
Elongation at Break	ASTM D-412	500%+
Tear Propagation	ASTM C-1518 (ASTM C-1523) Mov. Class:200% E Tear Class: PT (Knotty Tear)	Pass
Joint Movement Capability	ASTM C-1518 (ASTM C-1523)	200% - Elongation 75% - Compression
Operational Temperature Range		-50°C to 150°C -60°F to 300°F
UV Resistance		Unaffected
Ozone Resistance		Unaffected
Radiation Resistance		Unaffected

Installation

ENDURIT GTS-80 pre-cured silicone seals must be bonded to dry and clean surfaces utilizing a high quality 100% silicone adhesive sealant. Field adhesion testing should be conducted to determine the adequacy of the adhesive system. Follow the instructions of the sealant adhesive manufacturer regarding proper surface preparation and usage of primer when recommended. Do not use low modulus silicone sealants.

Surface Preparation Guidelines:

Porous surfaces should be cleaned with dry, oil free compressed air. Grinding or abrasion may be necessary to remove materials that may interfere with the sealant adhesive. If the substrate is cleaned with pressurized water, use caution to prevent water from entering the structure through the open joint. Ensure that all cleaning agents are completely removed and allow the substrate to adequately dry before applying the sealant adhesive and the **ENDURIT GTS-80**. Make sure to follow sealant adhesion guidelines of the silicone adhesive manufacturer. Non porous surfaces should be cleaned with an appropriate solvent using the two-cloth method.

Masking:

Masking tape may be applied in areas of high visibility or difficult sealant adhesive applications to ensure good appearance. (see figure 1.)

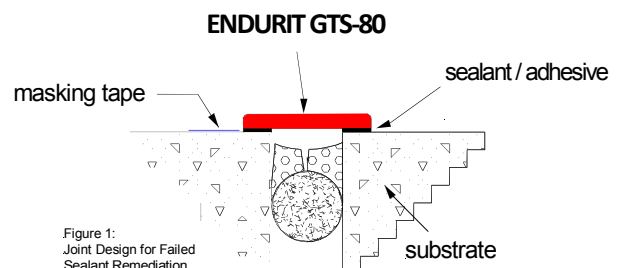


Figure 1:
Joint Design for Failed
Sealant Remediation

Product Application:

Apply a bead of sealant adhesive in a straight line near the outside edge to be covered. Allow enough space for the sealant adhesive to squeeze out to the edge of the **ENDURIT GTS-80**. The adhesive bead should be approximately 1/8" to 1/4 " in diameter depending on the uniformity of the substrate. Next, unroll the appropriate length of **ENDURIT GTS-80** and place it uniformly over the joint to be sealed. Press the **ENDURIT GTS-80** into the sealant firmly making sure there is good contact between the adhesive sealant and the **GTS-80**. Remove any excess adhesive sealant from the edges on the **GTS-80** and the substrate.

Clean up:

Carefully remove any masking tape and remove any excess sealant adhesive before it cures.

Safe Handling Information:

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE USE, READ MATERIAL SAFETY DATA SHEET FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THIS INFORMATION CAN BE OBTAINED FROM BESSERN.

Maintenance:

No maintenance should be necessary. In the event **ENDURIT GTS-80** is damaged, replace the damaged section in accordance with specified installation methods. Effective repairs on small tears can be achieved by using a small amount of the proper sealant adhesive.

Standard Colors

White, Black, Gray, Sandstone, Bronze & Limestone

Packaging

ENDURIT GTS-160 is packaged in 100 ft. rolls for sizes up to 9 inches wide and in 50 ft. rolls for sizes 10 inches and wider.

Sizes

Standard **ENDURIT GTS-160** pre-cured silicone sealant is available in a variety of standard sizes, ranging in width from 1 to 6 inches, in 0.5 inch increments and 6 to 14 inches in 1 inch increments. Standard thickness is 2 mm (0.078").

Limitations

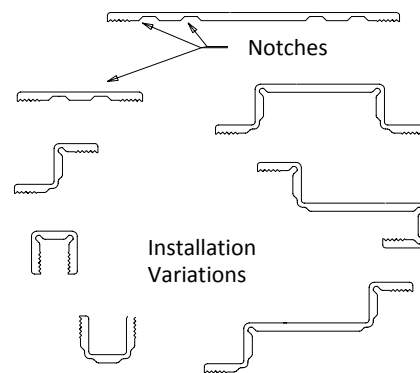
ENDURIT GTS-160 is not intended for use:

- As a seal to untested substrates.
- With other sealants or bonding agents without approval.
- Below-grade applications without approval.
- Joints where physical abrasion and abuse may occur, such as traffic joints.
- In association with building materials that bleed oils, plasticizers or other materials.

Custom Services and Colors

- Custom color matching
- Special surface texturing
- Custom design
- Custom widths
- Custom thickness
- Custom shapes
- profiles with notches / bend-lines, allow for a variety of installation configurations

Examples of Notched Profiles



Warranty

BESSERN warrants that its product shall be in accordance with the specifications published in the current product data sheet. BESSERN will, in the event any of its products fail to meet their published specifications, replace those products proved to be defective.

BESSERN shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, BESSERN's sole liability hereunder shall not exceed the cost of the defective product originally purchased.

EXCEPT AS SET FORTH ABOVE, BESSERN MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

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