



GTS Sealant

SILICONE TRANSITION SEAL SEALANT

Description

ENDURIT GTS Sealant is a single component; 100% silicone sealant designed to adhere materials utilized in traditional and novel air and vapor barriers. **ENDURIT GTS Sealant** is designed as an integral component for transition seals between dissimilar materials in air and vapor barrier systems.

Features and Benefits

- Primerless adhesion to most substrates
- Only sealant required for GTS-160 installation
- Fast cure – tack free in 50 minutes
- Excellent weatherability – unaffected by UV, moisture, and ozone
- Superior green strength
- Remains flexible at temperature extremes

Areas of Application

ENDURIT GTS Sealant is used to adhere the **ENDURIT GTS-160** Silicone Transition Seal to air/vapor barriers and window/curtain wall systems. **ENDURIT GTS Sealant** is formulated to adhere primerless to most substrates.

Product Properties

Cured Properties

Tensile Strength, psi:	165	ASTM D 412
Elongation, %:	1500	ASTM D 412
Modulus @100% Elongation, psi:	33	ASTM D 412
Dynamic Joint Movement, %:	±25	ASTM C 719
Adhesion	Pass	ASTM C 794

Surface Preparation

Substrates to receive **ENDURIT GTS Sealant** must be sound, clean, and free of rust, oil, wax, grease, sealers, silicone, paint, adhesives, coatings, asphalt, dirt and any other contaminants that may inhibit adhesion.

Porous substrates and precast concrete panels using form release agents other than polyethylene film should be cleaned by grinding, saw cutting, blast cleaning (water or sand), mechanical abrading or a combination of these methods which will provide a sound, clean and dry surface for sealant application. Dust, loose particles, etc. should be blown out of joints with oil-free compressed air or vacuum cleaned. Metal, glass and plastic surfaces should be cleaned by solvent procedure or by mechanical means. Soap or detergent and all surfaces should be done on the same day on which the sealant is applied.

Application Instructions

ENDURIT GTS Sealant does not require priming on most common substrates including most air and vapor barrier materials. When sealing surfaces not pre-approved by BESSERN we require adhesion pretesting in the field.

Sealant should be applied in a continuous operation using sufficient material to ensure continuous air seal and adhesive performance. Apply two parallel beads of GTS Sealant of 3/8 inch to 1/2 inch in diameter to the building or air barrier surface, and then press the silicone strip to the surface.

The compressed bead width should be 1/2 inch or larger, and it can be visually checked by viewing through the translucent GTS-160 transition seal.

To ensure both waterproofing and air barrier performance, it is required to install and tool sealant at every lap edge of the GTS-160 and every lap transition between pieces of the GTS-160 and between lap edges of air barrier and GTS-160. A minimum of 3 inches is required on air barrier to GTS-160 overlaps.

When GTS-160 is to be used on vertical transitions, mechanical fastening may be required on long runs to avoid GTS Sealant from slumping due to the weight of the GTS-160. If any mechanical fasteners are used they should be completely covered with GTS Sealant.

Clean Up

Immediately remove all excess sealant and smears with mineral spirits. Also use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc. (Caution: mineral spirits is flammable and toxic. Observe manufacturer's precautions.)

Packaging

20 ounce sausages

Color

Black

Shelf Life

ENDURIT GTS Sealant has a shelf life of 12 months from date of manufacture when stored indoors between 40°F to 95°F in unopened sausages.

Safety

Use with adequate ventilation or wear an appropriate NIOSH approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Material Safety Data Sheet (MSDS) for more information.

Warranties

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.

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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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