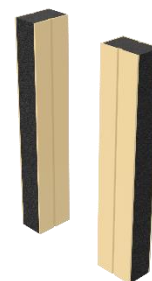


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### PRODUCT DESCRIPTION

Willseal® STC is a compressible type of joint sealant suitable for both vertical and horizontal joints on a vertical plane. STC is intended for use in static applications where interior sound control is needed. Comprised of a fire-resistant acrylic impregnated polyurethane foam with factory coated silicone sides, STC can be color matched to blend in with the surrounding area for an aesthetically pleasing appearance.



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### BASIC USES

Willseal STC is used as an interior joint seal that blocks sound, dust, drafts, heat, and cold in interior spaces, such as offices, quiet rooms, lobbies, and conference rooms. The following are acceptable applications for STC:

- Window to wall, head of wall, curtain wall, and partition to wall connections
- Moveable or permanent partitions
- Parking garage expansion joints

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### FEATURES & BENEFITS

Willseal STC is a permanently flexible seal that is easy to install and does not require invasive mechanical anchoring. There is minimal surface preparation required to install STC. The overall ease of installation allows for labor saving and high production value when using STC to reduce sound transmission from room to room.

- Thermally insulating (R value – 2.92 per inch)

The sides of STC can be factory coated with colored silicone sealant to match wall coverings and surrounding substrates after installation. To maximize flexibility of appearance, 1, 2, 3, or all 4 sides of the Willseal STC can be coated with sealant.

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### AVAILABILITY

Available in joint sizes from ½" to 6" in sticks (6.5 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Custom sizes (widths and lengths) are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email at [custserv@willseal.com](mailto:custserv@willseal.com).

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### COLORS

Available factory coated with silicone sealant in Tremco standard Spectrem colors: Aluminum Stone, Adobe Tan, Anodized Aluminum, Black, Bronze, Buff, Champagne, Charcoal, Dark Bronze, Gray, Ivory, Light Bronze, Limestone, Off-White, Precast White, Rustic Brick, Sandstone, White, industry standard colors and custom colors available upon request.

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### LIMITATIONS

Willseal STC should not be exposed to hydrocarbon solvents and/or corrosive chemicals. STC is not intended for joints submerged in water, dynamic joints, or traffic rated joints. Over-compression of STC can result in greater loading that might exceed the design of certain substrates.

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### WARRANTY

A repair or replacement warranty is available on all Willseal products. Visit <https://www.tremcosealants.com/warranties/> for details.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Foam Color		Black
<b>Temperature Stability Range:</b>		
Short Term		-40 to 248 °F (-40 to 120 °C)
Long Term		-40 to 194 °F (-40 to 90 °C)
Ideal Storage Temperature		68 °F (34 °C)
Thermal Conductivity	ASTM C518	0.33 to 0.347 Btu•in/hr•°F•ft <sup>2</sup>
Thermal Resistance	ASTM C518	2.92 hr•°F•ft <sup>2</sup> /Btu
STC Rating	ASTM E90	STC of 51 in a 55 STC base wall
OITC Rating	ASTM E90	OITC of 40 in a 42 OITC base wall
Compatibility With Conventional Construction Materials	DIN 52 423	No signs of corrosion were observed on zinc, steel, galvanized steel, aluminum and copper, no adverse effects with concrete, aerated concrete, brick, some natural stone, PVC, Plexiglass, and wood, for other materials consult Willseal
Low-Temperature Flexibility	ASTM C711	No visible deleterious effects

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

NOTE: All Willseal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

WSTC-DS/0224

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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