



# TECHNICAL DATA SHEET

## WILLSEAL® 150 Primary Vertical Seal

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### PRODUCT DESCRIPTION

Willseal® 150 is a pre-compressed, self-expanding foam joint seal, engineered to perform as a highly flexible, weather-tight, primary seal in vertical exterior applications. The high-density polyurethane foam is impregnated with a modified flame retardant, hydrophobic, UV stable acrylic resin and treated with a pressure-sensitive adhesive (PSA) on one side for ease of installation. Willseal 150 self-expands to fill the joint creating a permanent, elastic, vapor-permeable, weathertight seal.

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### BASIC USES

Typically used as an external joint sealant, Willseal 150 can be used as a primary seal in vertical applications. The following are acceptable applications for Willseal 150:

- Primary expansion, control, isolation, and retrofit joints
- Primary construction joints
- Joints in pre-cast concrete, masonry, brick, and facades
- Roofing and insulated metal panels
- Exterior insulation finish systems (EIFS)
- Primary seal in starter track assemblies for window wall
- Interior vapor, dust, acoustical, and air control
- Manufactured housing and log homes

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### FEATURES & BENEFITS

Willseal 150 can be applied in various weather and temperature conditions with minimal surface preparation required. The material is compatible with a variety of Tremco Sealants and is chemically compatible with many types of commercial construction substrates: will not corrode iron, zinc, steel, galvanized steel, or copper, and will not chemically harm concrete, lightweight concrete, mortar, brick, natural stones, plexiglass, or wood. When used within its application range, Willseal 150 is weathertight against driving rain up to 12 lb/ft<sup>2</sup> or 600 Pa.

- Remains permanently flexible
- UV stable
- Low volatility
- Embedded scrim in the PSA prevents stretching or pulling during installation
- No mixing, masking, or priming required
- Compatible with most porous or sensitive substrates
- Depth of seal can be changed to increase R-value and sound properties

Willseal 150 is supplied in a pre-compressed state for ease of installation. Material will self-expand to fill the joint. Expansion time will vary based on humidity, temperature, and storage conditions for the prior 24 hours; may differ for wider, thicker material. Material will continue to expand and equalize in the joint.

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### AVAILABILITY

Available in both rolls and sticks (6.5 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. For more information contact Customer Service by phone at 800-274-2813 or email [custserv@willseal.com](mailto:custserv@willseal.com).

- Joint sizes from 1/8" to 1.5" in rolls
- Joint sizes from 1.75" to 8" in sticks (6.5ft lengths)
- Custom sizes available upon request

## COLORS

Willseal 150 is Black.

## LIMITATIONS

Avoid contact of Willseal 150 with hydrocarbon solvents, solvent based paints, and corrosive chemicals. Willseal 150 cannot be used as a primary seal where standing or ponding water will occur. Not for use in below-grade applications (contact your local Technical Sales Representative for product recommendations). Do not over compress Willseal 150.

## 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
Temperature Stability Range		-40 to 212 °F (-40 to 100 °C)
Ideal Storage Temperature		68 °F (34 °C)
Thermal Conductivity	ASTM C518	0.05 W/m•°C
Thermal Resistance	ASMT C518	3.3 hr•°F•ft <sup>2</sup> /Btu
Tensile Strength*	ASTM D3574	21 psi min
Elongation	ASTM D3574	120 ± 20%
Compression Set	ASTM D3574	2.5% max
Staining and Bleeding	DIN 18542	Meets DIN requirements
Resistance to UV and Moisture	DIN 18542	Meets DIN requirements
STC	ASTM E90-9	56
OITC	ASTM E90-9	47
Comprehensive Performance Test	DIN 18542	600 Pa
<b>Water Penetration:</b>		
Uniform Static	ASTM E331	12 psf
Cyclic Static	ASTM E547	12 psf
<b>Fire Testing:</b>		
Flame Spread	ASTM E84-12B Class A	5
Smoke Development	ASTM E84-12B Class A	5
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

\*Attachment method of Willseal 150 was in a single joint compressed to 50% of original foam thickness. Joint material was constructed of calcium silicate board and is representative of field installation of the product.

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.

W150-DS/0123

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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