

## DATA SHEET

### 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.

### 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 & 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

### Features & Benefits

When used within its application range, Willseal 150 is weathertight against driving rain up to 12 lb/ft<sup>2</sup> psf or 600 Pa. Remains permanently flexible.

- UV Stable
- Compatible with numerous Tremco Sealants
- Low volatility
- Embedded scrim in the PSA prevents stretching or pulling during installation
- 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.
- Minimal surface preparation required
- No mixing, masking or priming required
- Can be applied in various weather and temperature conditions
- Depth of seal can be changed to increase R-value and sound properties

### Availability

Willseal 150 is available 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).

### Colors

- 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.
- Do not over compress
- Not for use in below-grade applications (Contact your local Technical Sales Representative for product recommendations.)

### Packaging

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

### Expansion Time

Material will self-expand to fill the joint. Expansion time will vary based on humidity, temperature and storage conditions for the prior 24 hours. Estimated expansion time at 50% R.H. @ 70°F (21°C) is approximately 30 minutes. Material will continue to expand and equalize in the joint.

### Warranty

Willseal Products are warranted to be free of defects in materials, but no warranty is made as to appearance or color. No other warranty, expressed or implied, is made with respect to Willseal Products, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy under this warranty shall be to replace or refund the purchase price of the quantity of Willseal Products proven to be defective, and there is no liability whatsoever for other loss or damage.

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

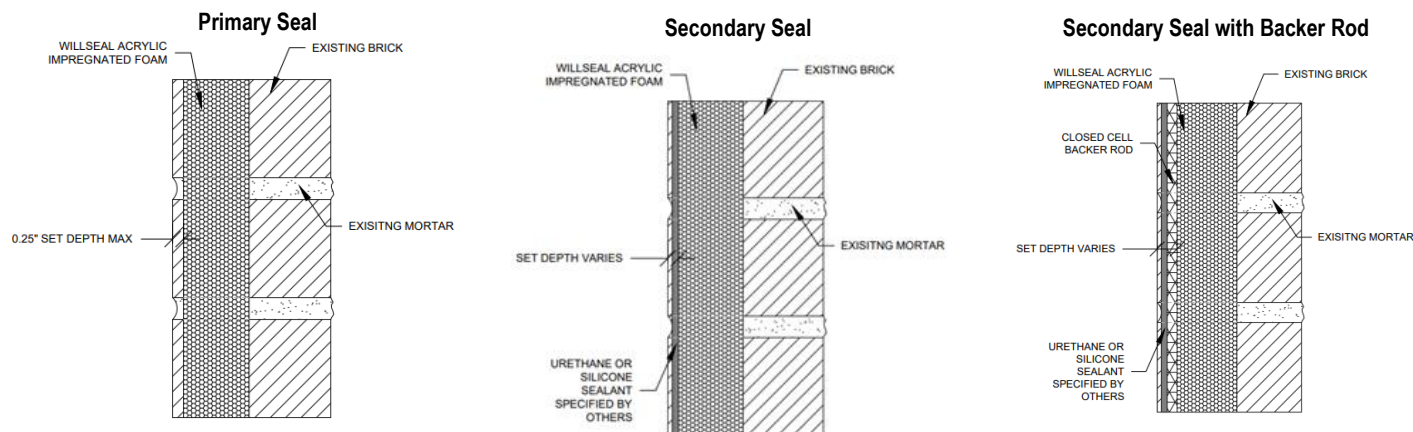
**NOTE: All Willseal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.**

## TYPICAL PHYSICAL PROPERTIES

| PROPERTY                                               | DESCRIPTION                 |                                                                                                                                                                                                                                          |
|--------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COLOR                                                  | Black                       |                                                                                                                                                                                                                                          |
| TEMPERATURE STABILITY RANGE                            | -40°C/-40°F to 100° C/212°F |                                                                                                                                                                                                                                          |
| SHELF LIFE                                             | 1 Year*                     |                                                                                                                                                                                                                                          |
| IDEAL STORAGE TEMPERATURE                              | 68°F (34°C)                 |                                                                                                                                                                                                                                          |
| PROPERTY                                               | TEST METHOD                 | TYPICAL RESULTS                                                                                                                                                                                                                          |
| THERMAL CONDUCTIVITY                                   | ASTM C518                   | 0.05 W/m -°C                                                                                                                                                                                                                             |
| THERMAL RESISTANCE                                     | ASTM C518                   | 3.3 hr -°F-ft <sup>2</sup> /Btu                                                                                                                                                                                                          |
| THERMAL STRENGTH                                       | ASTM D3574                  | 21 psi min. <sup>1</sup>                                                                                                                                                                                                                 |
| ELONGATION                                             | ASTM D3574                  | 120% +/- 20%                                                                                                                                                                                                                             |
| COMPRESSION SET                                        | ASTM D3574                  | 2.5% max                                                                                                                                                                                                                                 |
| STAINING AND BLEEDING                                  | DIN 18 542                  | Meets DIN requirements                                                                                                                                                                                                                   |
| RESISTANCE TO UV AND MOISTURE                          | DIN 18 542                  | Meets DIN requirements                                                                                                                                                                                                                   |
| STC                                                    | ASTM E90-9                  | 56                                                                                                                                                                                                                                       |
| OITC                                                   | ASTM E90-9                  | 47                                                                                                                                                                                                                                       |
| WATER PENETRATION                                      |                             |                                                                                                                                                                                                                                          |
| Uniform Static                                         | ASTM E331                   | 12 psf                                                                                                                                                                                                                                   |
| Cyclic Static                                          | ASTM E547                   | 12 psf                                                                                                                                                                                                                                   |
| FIRE TESTING                                           |                             |                                                                                                                                                                                                                                          |
| 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 |
| COMPREHENSIVE PERFORMANCE TEST                         | DIN 18542                   | 600 Pascal                                                                                                                                                                                                                               |

\*Must store at under recommended temperatures

<sup>1</sup> 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.



### 0420/W150-DS

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

**Willseal, A Tremco Affiliate Brand**

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