



## TECHNICAL DATA SHEET

# WILLSEAL® PF100

Pre-Compressed Watertight and  
Airtight Foam Sealant System for  
Prefabricated Applications

---

### PRODUCT DESCRIPTION

Willseal® PF100 is a pre-compressed, self-expanding foam joint seal, engineered to perform as a weathertight primary seal designed for use in various prefabricated applications. It self-expands to fill the joint and is capable of  $\pm 50\%$  movement from the mean joint size. The high-density polyurethane foam is impregnated with a modified flame retardant, UV stable acrylic resin, and an integral silicone seal barrier, which is protected by the foam core.

This revolutionary solution has been tested and validated to enhance building envelope connectivity, while also reducing the need to conduct installation activities from the exterior of the structure as panels are erected.

---

### BASIC USES

Willseal PF100 is used as an external primary weathertight seal in prefabricated construction applications like modular, panelization, tilt up and other off-site construction methods. It is a market leading solution that delivers easy, safe, rapid, and reliable joint seals.

---

### FEATURES & BENEFITS

Willseal PF100 provides efficient, non-invasive anchoring with sound attenuation properties and thermal insulation attributes. It is compatible with various Tremco sealants and with many types of commercial construction substrates. Willseal PF100 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.

- Low volatility
- UV stable
- Comprised of Low-Emitting Materials – Adhesives and Sealants (LEED Credit 4.1)
- Meets or exceeds the requirements of IBC testing for air barriers

Willseal PF100 is an ideal, easy to use solution requiring minimal surface preparation. There is no mixing, masking, or priming required. Willseal PF100 can be applied in various weather and temperature conditions.

---

### AVAILABILITY

Available in joint sizes from  $\frac{1}{2}$ " to 2" in sticks (6.5 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Both pre-notched and prefabricated 4-way connection points are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email [custserv@willseal.com](mailto:custserv@willseal.com).

---

### COLORS

Standard foam color is Black.

---

### LIMITATIONS

Willseal PF100 is designed for use in vertical applications only. Avoid contact of the Willseal PF100 with hydrocarbon solvents and corrosive chemicals. Willseal PF100 cannot be used as a primary seal where standing or ponding water will occur. Do not apply to damp, contaminated, or frost covered surfaces. Single wall applications must be installed within 30 minutes. Contact your local Tremco or Willseal Technical Sales Representative for questions.

---

## 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
Temperature Stability Range – Short Term		-40 to 248 °F (-40 to 120 °C)
Temperature Stability Range – Long Term		-40 to 194 °F (-40 to 90 °C)
Ideal Storage Temperature		68 °F (20 °C)
Air Leakage Resistance	ASTM E283	Pass
Water Penetration Resistance	ASTM E331	Pass per IBC Requirement

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.

WPF100-DS/0123

Tremco Construction Products Group (CPG) brings together the Commercial Sealants & Waterproofing and Roofing & Building Maintenance divisions of Tremco CPG Inc.; Dryvit, Nudura and Willseal brands; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc.; Weatherproofing Technologies Canada, Inc.; and Pure Air Control Services, Inc.



tremcosealants.com  
800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | tremcocpg.com