

WILLSEAL® PF100

Precompressed watertight and airtight foam sealant system for panelized and modular applications



Product Overview

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 +/- 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.

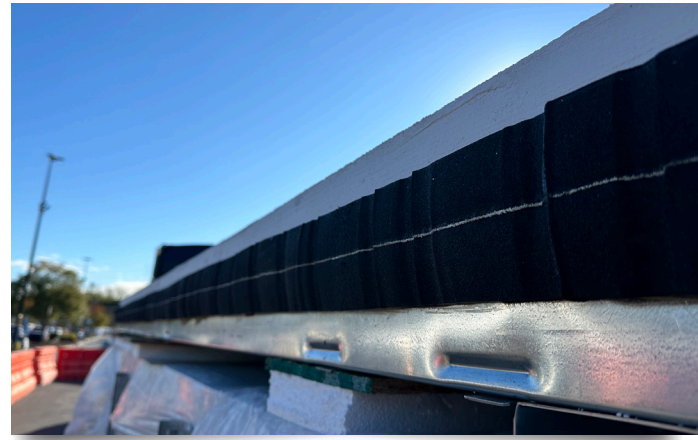
Features & Benefits

- UV stable
- Compatible with various Tremco sealants and with many types of commercial construction substrates
 - Will not corrode iron, zinc, steel, galvanized steel or copper
 - Will not chemically harm concrete, lightweight concrete, mortar, brick, natural stones, plexiglass or wood
- Comprised of Low-Emitting Materials – Adhesives and Sealants (LEED Credit 4.1)
- Meets or exceeds the requirements of IBC testing for air barriers
- Can be applied in various weather and temperature conditions with minimal surface preparation required



Unique Properties

- Driving rain tight to 25 psf
- Never under tension or cohesion strain
- Minimal surface prep and no priming required
- Waterbased acrylic with no fillers or VOC's
- Seal gaps or seams as small as 1/2"
- Provides R-value of 3.13 per inch
- Can be installed under many weather and temperature conditions
- Eliminates the requirement for on-site caulking of joints

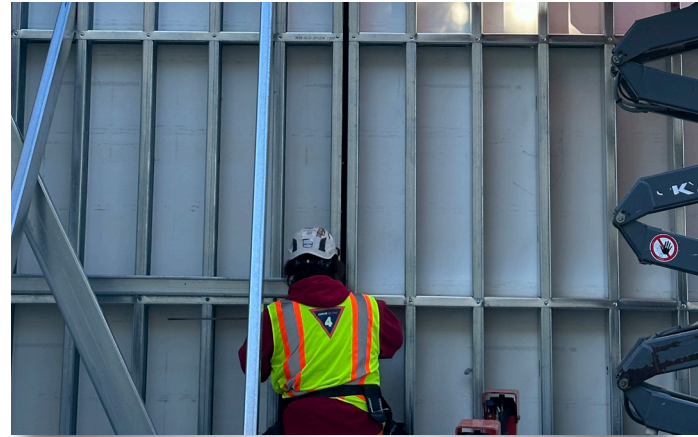


Colors

- Black

Dimensions

- Joint sizes from 1/2" to 2" (1.3 – 5 cm) wide in 6.5' (1.8 m) stick lengths



Typical Physical Properties

PROPERTY	TEST METHOD	VALUE
Air Leakage Resistance	ASTM E283	Pass per IBC requirement
Water Penetration Resistance	ASTM E331	Pass
Thermal Conductivity	ASTM C518	0.28 – 0.30 Btu-in./hr-°F-ft2
Thermal Resistance	ASTM C518	3.3 hr – 3.6 hr-°F-ft2 /Btu

Willseal | 34 Executive Drive | Hudson, NH 03051 | 800.274.2813 | tremcosealants.com

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



Use of the ® symbol indicates registration with the US Patent & Trademark Office and the Canadian Intellectual Property Office.
© Tremco CPG Inc. 2025

L-0067 / 0125

tremcocpg.com