

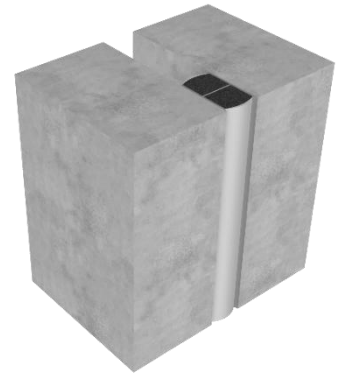


TECHNICAL DATA SHEET

WILLSEAL® BG100 Pre-Compressed Expansion Seal for Below-Grade Conditions

PRODUCT DESCRIPTION

Willseal® BG100 is a pre-compressed, self-expanding open micro-cell polyurethane foam expansion joint impregnated with a proprietary, hydrophobic compound, coated with a factory-applied sealant, and includes an integral lamination. This patent-protected solution is ideally suited for use in both vertical and horizontal below-grade applications.



BASIC USES

Willseal BG100 is designed for below-grade applications. Suitable applications for Willseal BG100 include:

- Below-grade applications
- Swimming pool adjacent joints
- Water treatment facilities (when coated with NSF/ANSI Standard 61 approved sealant)
- Food production facilities (when coated with NSF/ANSI Standard 51 approved sealant)

FEATURES & BENEFITS

Willseal BG100 is specifically designed to provide a seal in below-grade conditions. As an optional feature, Willseal BG100 can be coated with a sealant approved for food (NSF/ANSI Standard 51) or potable water contact (NSF/ANSI Standard 61).

- Allows for up to 100% ($\pm$ 50%) movement
- Accommodates rapid rates of joint movement
- Has excellent compression recovery
- Fully compatible with Tremco supplied products
- Utilizes Tremco's standard waterproofing and coatings detail sealant
- Utilizes non-invasive anchoring
- Innovative patented design

Willseal BG100 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.

AVAILABILITY

Available in joint sizes from ½" to 3" in sticks (6.5 ft lengths) and ½" to 1" in coils (20ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Pre-notched connection points are available upon request. Custom sizes are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

COLORS

Available factory coated with Charcoal colored sealant as a standard. Grey (NSF/ANSI approved) colored sealant is available by request. For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

LIMITATIONS

Avoid contact of Willseal BG100 with hydrocarbon solvents, solvent based paints, and corrosive chemicals. Will not adhere to surfaces contaminated by oil or grease. Concrete should clean, dry & sound. Do not install when substrate or ambient temperatures are below 40°F (4°C). Product not intended for use in continuously immersed or underwater conditions. Product is not intended for applications

involving immersion in chlorinated water. Consult a Tremco or Willseal Sales Representative for extreme temperature installation information.

Store material in a dry, enclosed area, off the ground, and out of direct sunlight. Store material at a minimum of 68°F (20°C). If ambient storage temperatures fall below 50°F (10°C), warm material up to 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.

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 Material		Open micro-cell polyurethane foam
Impregnation		Proprietary, hydrophobic compound
UV Resistance	ASTM C793	Pass
	ASTM G155	Pass
	DIN 18542	Pass
Tensile Strength	ASTM D3574	16.8 psi (116 kPa)
Temperature Stability Range	No transfer of sealant	-40 to 185 °F (-40 to 85 °C)
Movement Cycling	ASTM E1399	Pass, ± 50%

Please refer to our website at 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.

WBG100DS/0726

US Patents:
No. 11821200
No. 10934668

 **Willseal**

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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.