



TECHNICAL DATA SHEET

WILLSEAL® CORESEAL

Flexible Closed Cell Foam,
Primary Seal

PRODUCT DESCRIPTION

Willseal® Coreseal is a lightweight, preformed closed-cell ethylene vinyl acetate (EVA) copolymer foam. It is designed to provide a watertight, dust-proof, airtight, noise reducing, thermally insulating, and UV stable primary seal that does not require invasive anchoring for installation.

BASIC USES

Willseal Coreseal has been engineered to perform in both horizontal and vertical applications, as a primary external joint sealant or a secondary joint sealant. It meets all applicable standards for compressible sealants and performs well under extreme conditions including those found in bridge and parking structure expansion joints. The following are acceptable applications for Willseal Coreseal:

- Primary horizontal or vertical expansion joints
- Control joints
- Below grade connections
- Parking garage expansion joints
- Bridge expansion joints
- Highway longitudinal and transverse joints
- Stadiums
- Plaza decks

FEATURES & BENEFITS

Willseal Coreseal is a compressible system that is impermeable to water and provides a watertight seal in dynamic joints. It accommodates for rapid rates of joint movement and allows for up to 50% movement ($\pm 25\%$ movement).

- Monolithic construction for standard sizes – will not delaminate
- Conforms to DIN 53428 (1% max water absorption after 7 days)
- Supplied uncompressed 25% over the mean joint size as a standard
- Utilizes non-invasive anchoring
- Lightweight
- UV and chemical resistant
- Suitable for joints up to 10" wide

AVAILABILITY

Available in joint sizes from $\frac{1}{2}$ " to 10" in sticks (6 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Custom sizes are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

COLORS

Standard foam color is Gray, Black is available by special request.

LIMITATIONS

Avoid contact of Willseal Coreseal with hydrocarbon solvents, solvent based paints, and corrosive chemicals. Not intended for joints requiring $\pm 50\%$ movement (100% total movement). Not for use with hot applied waterproofing membranes.

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		Gray or Black (<i>black by special request only</i>)
Temperature Stability Range		-40 to 130 °F (-40 to 54°C)
Ideal Storage Temperature		68 °F (20 °C)
Tensile Strength	ASTM D3575	74 ± 21 psi
Tear Resistance	ASTM D3575	13.5 ± 20% lbf/in
Density	ASTM D3575	2.3 ± 20%
Elongation at Break	ASTM D3575	275 ± 25%
Water Absorption, 7 Days	DIN 53428	1% volume max
UV Resistance	DIN 18542	Pass
Silicone Elongation	N/A	Never under tension, exceeds maximum movement range (>125%)
Silicone Flexibility	N/A	Excellent
Compression Set	Full cycle tested in an environmental chamber through the stated temperature stability range	Will not delaminate due to thermal shock or compression set

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.

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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.

