



TECHNICAL DATA SHEET

WILLSEAL® COLOR CORESEAL H

Flexible Closed Cell Foam,
Primary Horizontal Seal

PRODUCT DESCRIPTION

Willseal® Color Coreseal H is a lightweight, preformed closed-cell ethylene vinyl acetate (EVA) copolymer foam with a pre-cured, traffic-rated factory-applied sealant coating. 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

Typically used as an external joint sealant, Willseal Color Coreseal H is engineered to perform as a primary joint sealant in horizontal applications. It has a colored silicone skin on the exposed face to ensure chemical and puncture resistance in a waterproof joint. Due to its strong closed-cell structure, it has excellent compression, tension, and shear capabilities. The following are acceptable applications for Willseal Color Coreseal H:

- Horizontal expansion joints
- Below grade connections
- Highway longitudinal and transverse joints
- Bridge and parking structure expansion joints
- Seismic, large, and retrofit joints
- Larger joints requiring an architectural finish

FEATURES & BENEFITS

Willseal Color Coreseal H 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
- Does not rely on the silicone coating or field applied bead to provide a watertight seal
- Silicone skin provides chemical and puncture resistance
- Supplied uncompressed 25% over the mean joint size as a standard
- Utilizes non-invasive anchoring
- Suitable for joints up to 4" wide

AVAILABILITY

Available in joint sizes from ½" to 4" 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

Available in Concrete Grey, Highway Grey, and Traffic-Grade Black. Custom colors are available upon request.

LIMITATIONS

Avoid contact of Willseal Color Coreseal H with harsh chemicals unless a polysulfide finish sealant is used. Not intended for joints requiring $\pm 50\%$ movement (100% total movement). Do not use in joints submerged in water, joints in roofing applications as a primary seal, nor cross joints in copings and projecting stonework. Suitable for joints up to 4" wide, for larger sizes please contact Technical Services.

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.

WCCSH-DS/0123

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