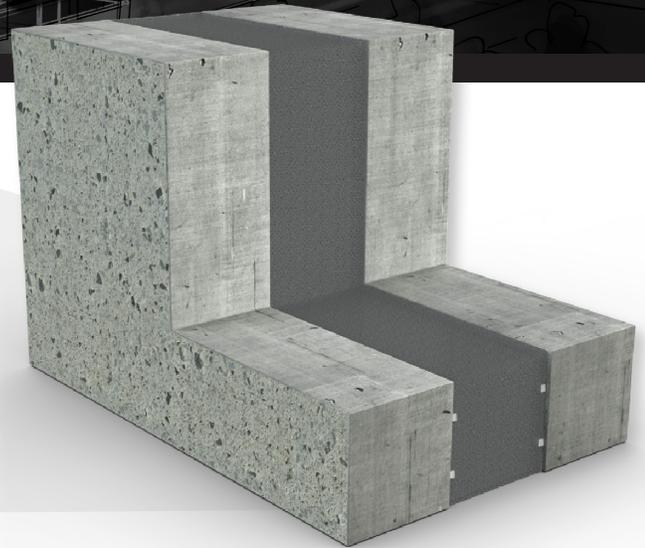


WILLSEAL® CORESEAL

Preformed, Compressible System

Product Overview

Willseal® Coreseal is a preformed, compressible system that is impermeable to water and when bonded in place provides a watertight seal. It was developed to meet all applicable standards for compressible sealants and performs under extreme conditions such as those found in vertical and horizontal applications including bridge and parking structure type expansion joints. It provides a watertight, dust-proof, airtight, UV stable, chemically resistant, sound attenuating and insulated primary seal. Once installed in the joint, the material adapts to the width of the joint and the irregularities of the substrate, provided such profile changes are not sudden or extreme.



Profile Type A

Features & Benefits

Material

- Permanently resilient; the material will expand and contract with the movement of the joint under any weather condition
- Composed of a durable, low density, closed cell cross-linked foam
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- UV & Chemical Resistant

Colors

- Black
- Dark Charcoal available by request
- If colored face is required use Willseal Color Coreseal

Dimensions

- Joint sizes from 1/2" to 10" in sticks
- Custom sizes available upon request

Applications

- Primary horizontal or vertical joints
- Control joints
- Below grade applications
- Highway longitudinal and transverse joints
- Parking structure expansion joints
- Bridge expansion joints
- Plaza decks
- Pre-cast or retrofit joints
- Joints requiring a watertight seal

Advantages

- Unique profile allows for easier install and less tension & compressive force
- Optional profiles available
- Accommodates rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Lightweight
- Heat welded or supplied Willseal adhesive
- Consistent depth of product
- Designed for up to 50% ($\pm 25\%$) movement
- Can be permanently bonded to the joint substrate
- Factory fabricated directional transitions are available



Typical Physical Properties

PROPERTY	TEST METHOD	VALUE
Density	ASTM D3575	2-3 lb/cu. ft.
Tensile Strength	ASTM D3575	74psi +/- 21
Elongation at Break	ASTM D3575	180%
Tear Resistance	ASTM D624	13.5 lbs/in.
Water Absorption	DIN 53428	< 1%

Willseal Coreseal does not react with cement, stone, brick, plastics, or metals. Additional independent test lab results are available that confirm the waterproofing characteristics of the Willseal Coreseal. In below grade applications, Willseal Coreseal has been proven to a head pressure of 70'.

Chemical Resistance* (Core Foam Material)

Isopropyl Alcohol	Excellent	Linseed Oil	Excellent
Naptha	Excellent	Motor Oil #30	Excellent
Clorox	Excellent	Acetic Acid 5%	Excellent
Ethylene Glycol	Excellent	Hydrochloric Acid Conc.	Excellent
Butyl/Ethyl Acetate	Excellent	Nitric Acid	Excellent

*If additional chemical resistant or NSF properties are required, contact Willseal for more information or a complete chart.

Limitations

- Joints must be sized by measuring every 5-7ft. to ensure gap opening is uniform and depth is sufficient for the supplied material
- Do not install when substrate or ambient temperatures are below -14°F (-25°C) or above 95°F (35°C)
- Will not adhere to surfaces contaminated by oil or grease
- If ambient storage temperatures are below 50°F (10°C), store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation
- Store material in a dry, enclosed area, off the ground, and out of direct sunlight
- Do not install when raining or snowing

Preparation For Installation

- Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant
- Check material for the appropriate lengths, widths, and depths
- Prepare the material for seams and proper lengths

Installation

- Run a uniform coating of the supplied epoxy adhesive along both sides of the joint approximately 1/2" – 3/4" back from the substrate surface
- Compress Willseal Coreseal and insert the material into the joint
- Do not use the epoxy to bond the joint ends, use only the supplied splice sealant
- Tool the silicone over all seams and transitions to allow for a clean, aesthetic finish

Clean Up

- Remove any excess silicone left on the surface of the material or substrate
- Remove all waste materials from the job site
- Do not reuse waste material
- Leave site to the satisfaction of the owner/architect

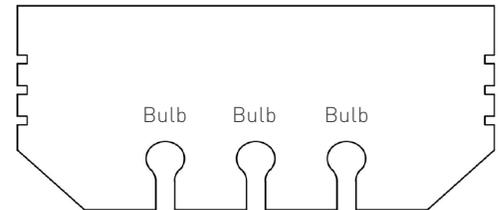
Square Profile

- Up to and including 1/2" to 1 1/4" joints



Engineered Profile

- 1 1/2" up to 10" joints



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Tremco Construction Products Group (CPG) brings together Tremco Incorporated's Commercial Sealants & Waterproofing and Roofing & Building Maintenance operating divisions; Dryvit Systems, Inc.; Nudura Inc.; Willseal; Weatherproofing Technologies, Inc. and Weatherproofing Technologies Canada, Inc.

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Use of the ® symbol indicates registration with the US Patent & Trademark Office and the Canadian Intellectual Property Office.

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