

DESCRIPTION

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, soundproof, 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.

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 ethylene vinyl acetate (EVA) copolymer foam
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- UV & Chemical Resistant

COLORS

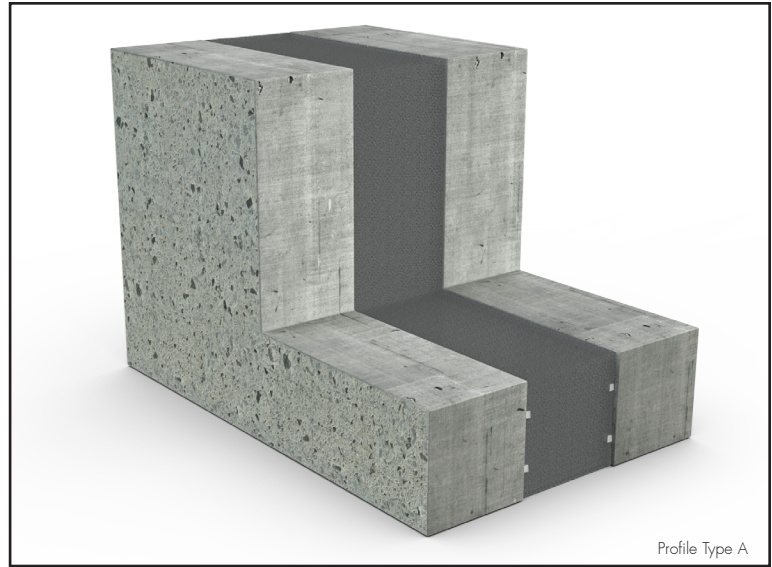
- Gray
- Black (Special Order Only)
- If colored face is required use Willseal Color Coreseal V & Willseal Color Coreseal H

DIMENSIONS

- Joint sizes from 1/2" to 12" 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



TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Density	ASTM D3575	2-3 lb/cu. ft.
Tensile Strength	ASTM D3575	120psi
Tensile Elongation	ASTM D3575	180%
Tear Resistance	ASTM D624	21.5lbs/in.
Water Absorption	ASTM D3575	<.02lbs/ft²

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
Naphtha	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.

ADVANTAGES

- Unique profile allows for easier install and less tension & compressive force
 - First generation rectangle profiles are also available
- Accommodates rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Closed cell and impermeable to water, can handle up to 70' head of water pressure
- Slip resistant
- Consistent depth of product
- Used for joints up to 12" wide
- Designed for up to 50% ($\pm 25\%$) movement
 - Allows for up to 60% seismic compression
 - Has joint extension safety margin of 5% (+30% total)
- Can be permanently bonded to the joint substrate
- Factory fabricated directional transitions are available

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 40°F (4.5°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 $\frac{1}{2}$ " – $\frac{3}{4}$ " 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

PROFILE A



PROFILE D • Number of bulbs based on joint width • <1" joint width has no bulbs

