

DESCRIPTION

Willseal Color Coreséal H is a dense, closed cell foam typically used for larger movement joints. It has a traffic grade silicone skin on the exposed face which provides resistance to gasoline and oil. Due to its strong closed cell structure, it has excellent compression, tension and shear capabilities. It is installed with epoxy and when cured, permanently bonds the Willseal Color Coreséal H in place.

MATERIAL

Monolithic foam sealant that will not delaminate like multi-layer products that does not rely on silicone coating or the adhesion of a field applied bead of sealant to provide a watertight seal. Independent lab tested to ASTM 330, 331, 283 & 547 for water and air penetration.

Willseal Color Coreséal H is by its design inherently insulating and sound deadening. Its unique foam profile reduces tension at the bond line and allows for a much longer service life than competitive products. (See cyclical test results for proof of its resistance to compression set).

COLORS

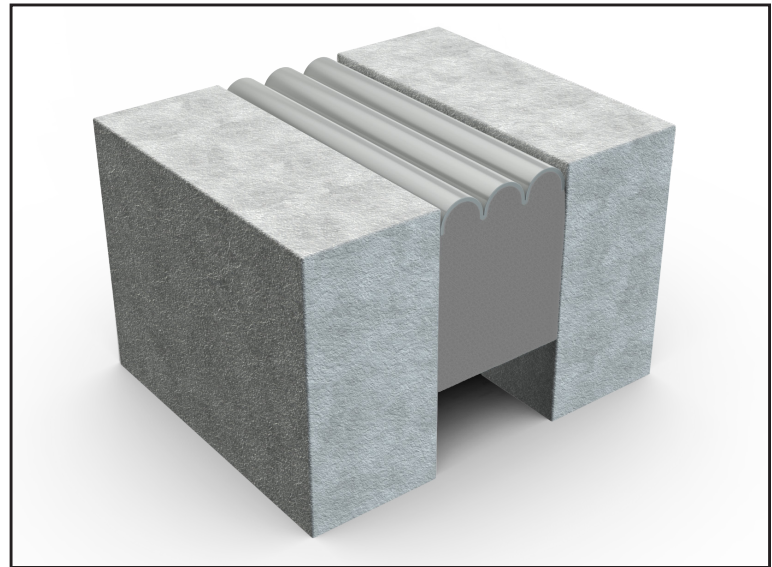
- Standard: Traffic Grade Gray
- Dow Corning® 790 & Pecora 890NST™ for non traffic applications

DIMENSIONS

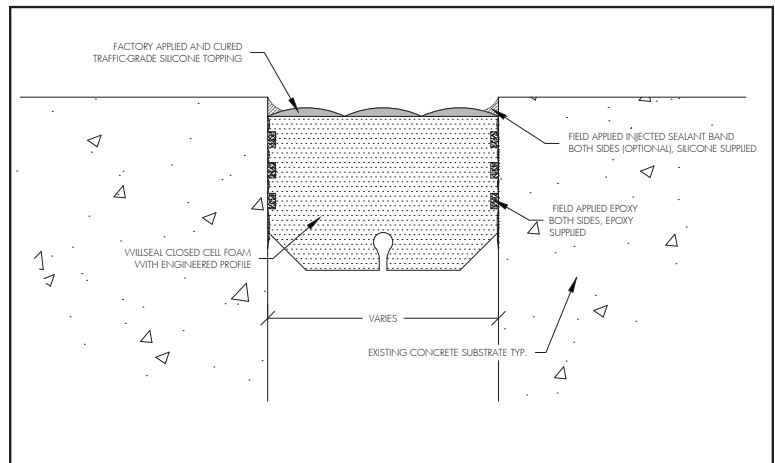
- Joint sizes from 1/2" to 4" in sticks
- Custom sizes available upon request

APPLICATIONS

- Horizontal joints
- Below grade applications
- Highway longitudinal and transverse joints
- Bridge & parking expansion joints (with traffic grade silicone)
- Seismic, large & retrofit joints
- Large expansion joints requiring an architectural finish



* Willseal Color Coreséal H does not rely on the external fillet bead to provide a watertight seal.



TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Density	ASTM D3575	2.3lb/cu.ft.
Thermal Conductivity	ASTM C177	0.05 W/m.°C
Tensile Strength	ASTM D3575	21 psi min.
Tensile Elongation	ASTM D3575	125% ±20%
Tear Resistance	ASTM D624	Max 2.5%
Water Absorption	ASTM D3575	Min 8N/cm ²
Weather Resistance	ASTM D1499	Excellent
Cyclical Testing	ASTM E1399	Class II & III (+/-25%)
Primary Surface Weathering	Atlas Weatherometer	Passed/None
Durometer Hardness	ASTM D2240	Shore A 15pts.

willseal® Color Coreséal H

CLOSED CELL FOAM WITH TRAFFIC GRADE SILICONE FOR HORIZONTAL APPLICATIONS

ADVANTAGES

- Accommodates rapid rates of joint movement (ASTM E1399, Class II & III)
- Made from a monolithic foam that will not delaminate like multi-layer or built up products
- Does not rely on the silicone coating or on the field applied bead of sealant to provide a watertight seal (ASTM 330, 331 & 547 tested and passed with and without the silicone face)
- Because it is installed & compressed from a size larger than the mean joint size, the material is not subject to adhesive & cohesive forces
- Consistent depth of product, can be supplied in custom depths
- Used for joints up to 4" wide
- Allows for up to 50% (±25%) movement

NOT INTENDED FOR

- Joints submerged in water, use Willseal Coreséal
- Joints in contact with harsh chemicals unless polysulfide finish sealant is used
- Joints in roofing applications as primary seal
- Cross joints in copings and projecting stone work

LIMITATIONS/TECHNIQUES

- Joints must be sized by measuring every 5-7 feet 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). Consult Willseal for extreme temperature installation information
- Will not adhere to surfaces contaminated by oil or grease. Concrete should be clean & sound
- If ambient storage temperatures are below 50°F store material at a minimum of 68°F for a minimum of 24 hours prior to installation, regardless of temperature at location of installation

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

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

(see supplied installation data for complete procedures)

- Use supplied epoxy on joint walls to bond the material in place
- Compress Willseal Color Coreséal H and insert the material into the joint until top is recessed at least 1/4"
- 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

WARRANTY

- Project specific warranty details and terms are available from Willseal.
- Due to the superior nature of Willseal's material design, warranties are typically longer than competitive products.