

HydroStop

Compressible Joint Sealant,
Durable, Closed Cell Foam,
Waterproofs Vertical & Horizontal Applications.

PRIMARY USES
Below Grade Applications
Highway Longitudinal/Transverse Joints
Parking Structure Expansion Joints

PRODUCT DESCRIPTION

- HydroStop is composed of a durable, closed cell ethylene vinyl acetate (EVA) foam.
- Developed to perform under extreme conditions such as those found in vertical and horizontal applications including bridge and parking structure type expansion joints.
- Provides a watertight, dustproof, airtight, UV stable, chemically resistant, soundproof, and insulated urethane primary seal.
- HydroStop is a preformed, compressible system that is impermeable to water and when bonded in place provides a watertight seal.



- Once HydroStop is 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.
- Developed to meet all applicable standards for compressible sealants.
- Permanently resilient; The material will expand and contract with the movement of the joint under any weather condition.
- Standard Colors: Gray
- Special Order Colors: Black or Beige
- Available Sizes (Joint Width)
*Sticks: 1/2" to 12"

* (Custom sizes available upon request)

ADVANTAGES

- Intumescent fire rated adhesive site applied to seal and protect substrate
- Can accommodate rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Consistent depth of product
- Used for joints up to 12" wide
- Allows for up to 50% (±25%) movement
- Can be permanently bonded to the joint substrate
- Not based on cheap asphaltic or bitumastic impregnation
- Environmentally safe;
No ChloroFluoroCarbons (CFCs)

PRIMARY 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
- Other joints requiring a watertight seal

HydroStop

SPECIFICATION

Sealant shall be HydroStop as manufactured by Schul International Company, LLC, 800-848-1120. Sealant shall be a closed cell, durable, ethylene vinyl acetate (EVA) foam. HydroStop shall be installed in the joint in a compressible state and shall provide a watertight joint. When compressed to 50% of its fully expanded size, HydroStop must provide a watertight joint. The manufacturer shall furnish a Certificate of Compliance with these requirements.

TYPICAL PHYSICAL PROPERTIES

Density	ASTM D3575	2-3 lb/cu. ft.
Tensile Strength	ASTM D3575	120psi
Tensile Elongation	ASTM D3575	250%
Tear Resistance	ASTM D624	21.5lbs/in.
Water Absorption	ASTM D3575	<.02lbs/ft ²

* HydroStop does not react with cement, stone, brick, plastics, or metals.

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

LIMITATIONS

- Joints must be sized by measuring every 5-7ft. (1.524 – 2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material.
- 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.
- 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.

NOT INTENDED FOR

- Joints submerged in water
- Joints in contact with harsh chemicals
- Joints in roofing applications
- Joints requiring pick resistance
- Cross joints in copings and projecting stone work

WARRANTY

Subject to certain limitations Schul warrants HydroStop Expansion Joint against defects in material for a period of ten (10) years from the date of delivery, provided Schul limitations and project specific recommendations were followed.

INSTALLATION

PREPARATION

- 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 ¼" bead of the supplied epoxy adhesive along both sides of the joint approximately ½" – ¾" back from the substrate surface.

- Compress HydroStop and insert the material into the joint.

- Tool the supplied Flexible Seal over all seams and transitions to allow for a clean, aesthetic finish.

CLEAN UP

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



International Quality Registrars Corp.
Quality System Registration

ISO 9001 Certified

For complete installation instructions and product information, contact [Technical Support: 800.848.1120](tel:800.848.1120) or visit us on the web at www.schul.com

Schul International Co., LLC ("the company") will refund the price of or replace, at its election, any product which it finds to be defective, provided the product has been properly used. Except as expressly stated above, the company does not make any warranty, expressed or implied, of any nature whatsoever with respect to the product or the use thereof. In no event shall the company be liable for delay caused by defects, for loss of material, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent. The foregoing is the full extent of the responsibility of the company even though the company may have been negligent.

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