

Color Econoseal

**Compressible Joint Sealant,
Silicone Coated, Closed Cell Foam,
Waterproofs Vertical & Horizontal Applications.**

PRIMARY USES
Primary Horizontal Joints
Highway Longitudinal/Transverse Joints
Parking Structure Expansion Joints

PRODUCT DESCRIPTION

- Color Econoseal is composed of closed cell, stabilized polymer material coated with a colorized, elastomeric layer of silicone.
- Developed to perform under extreme conditions such as those found in vertical and horizontal applications including seismic and parking structure joints.
- Impermeable closed cell foam backer and silicone face act as a dual sealant which provides a watertight seal and an aesthetic, colorized finish superior to silicone or urethane strip seals.
- Provides a dustproof, airtight, UV stable, watertight, chemically resistant, soundproof, and insulated urethane primary seal.
- Works under its own constant internal pressure to provide a permanent, watertight seal eliminating costly water damage, as well as allowing for a greater degree of joint movement.
- Once Color Econoseal 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: Dow Corning® 790 Custom colors available upon request.
- Available Sizes (Joint Width)
* Sticks: 1/2" to 12"
* (Custom sizes available upon request)
- For horizontal applications, specify Color Econoseal H, which has a factory applied traffic grade silicone layer and is installed using epoxy.
- For chemical resistant applications, specify Hydrostop 61CR, which has a factory applied NSF 61 layer.
















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

ADVANTAGES

- Can accommodate rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Does not rely on the silicone coating or the adhesion of a field applied bead of sealant to provide a watertight seal
- Not subject to adhesive or cohesive failure
- 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

PRIMARY APPLICATIONS

- Primary horizontal joints
- Control joints
- Below grade applications
- Highway longitudinal and transverse joints
- Parking structure expansion joints
- Bridge expansion joints (w/ traffic grade silicone)
- Seismic, large, or retrofit joints
- Large expansion joints requiring an architectural finish.

		
Black	Limestone	Dusty Rose
		
Bronze	Precast White	Rustic Brick
		
Sandstone	Natural Stone	Blue Spruce
		
Adobe Tan	Gray	Charcoal
		
		White

DOW CORNING® 790

- Actual colors may vary. See Dow Corning® 790 Color Chart for exact color match.

Color Econoseal

SPECIFICATION

Sealant shall be Color Econoseal as manufactured by Schul International Company, LLC, 800-848-1120. Sealant shall be a closed cell, stabilized polymer material with a silicone joint sealant on the exterior face. Color Econoseal 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, Color Econoseal must provide a watertight joint. The manufacturer shall furnish a Certificate of Compliance with these requirements.

TYPICAL PHYSICAL PROPERTIES

Density		2-3 lb/cu. ft.
Thermal Conductivity	ASTM C177	R-4
Tensile Strength	ASTM D3575	120psi
Tensile Elongation	ASTM D3575	250%
Tear Resistance	ASTM D624	21.5lbs/in.
Water Absorption	ASTM D3575	<.02lbs/ft ²
Weather Resistance	ASTM D1499	No Cracking
Weatherometer	Xenon Arc Weatherometer	2000hrs - No visible deterioration
Primary Surface Weathering	Atlas Weatherometer	6000hrs - Minimal harness change
Durometer Hardness	ASTM D2240	Shore A 15pts.

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 Sealite Color Econoseal 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 silicone adhesive along both sides of the joint approximately ½" – ¾" back from the substrate surface.
- Compress Color Econoseal and insert the material into the joint.
- 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 jobsite.
- Do not reuse waste material.
- Leave site to the satisfaction of the owner/architect.



International Quality Registrars Corp.
Quality System Registration

ISO 9001:2008 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.

SCHUL INTERNATIONAL COMPANY, LLC ONE INDUSTRIAL DRIVE, PELHAM, NH 03076

TELEPHONE: 800.848.1120 • FAX: 800.998.9105 • WEB ADDRESS: www.schul.com