

ElastiCARE™ Sealant

DS495

A Paintable, Low Modulus Weather Seal for Use in Repairing/Restoration of EIFS

Description

Dryvit ElastiCARE Sealant is a very low modulus sealant for use as a weather seal for EIFS joints. ElastiCARE utilizes silylated polyether chemistry formulated to match silicone performance properties. It is well suited where paintability of the sealant is required. The sealant forms a durable, flexible, watertight seal and has outstanding adhesion to EIFS and other surfaces. Use Dryvit ElastiCARE™ Primer to ensure adhesion to EIFS, masonry and other porous surfaces.

Uses

ElastiCARE may be used as a weather seal for new and remedial construction joint sealing applications for repair and restoration of Dryvit EIFS as a part of DryvitCARE™. ElastiCARE Sealant is available in a single color (white). It can be painted with Dryvit's Weatherlastic® Smooth coating.

Benefits

- Very low modulus
- Can be coated with Weatherlastic Smooth
- Excellent UV resistance
- No odor, low VOC
- No cracking or shrinkage
- Excellent durability
- Excellent adhesion to substrates
- Joint movement capability of ±50%
- Service temperature range -34 °C (-30 °F) to 82 °C (180 °F)

Coverage

ElastiCARE Sealant is available in 10 fluid ounce cartridges. Approximate coverage is as follows:

Joint Size Width x Depth (in.)	Lin. Ft./Cartridge
1 x 0.5	3
0.75 x 0.50	4
0.5 x 0.5	6
1 x 0.25	6
0.75 x 0.25	8
0.5 x 0.25	12

Typical Properties:

Tack Free Time: (ASTM C 679) - 25 °C (77 °F), 50% RH.

Tack-Free Time: 30-90 minutes.

Through Cure: 24 hours.

Full Cure: 7-15 days.

Joint Movement Capability:

(ASTM C 719) - ± 50%

Flow, Sag, or Slump:

(ASTM D 2202) -no sag. Working time 20-30 minutes.

Durometer Hardness, Shore A:

(ASTM C 661) - 25 points.

Peel Strength: (ASTM C 794) - 18.0 lbf/in.

100% Modulus: (ASTM D 412) - 28-38 psi (Mpa)

Staining: After 14 days of 50% compression, at 70 °C (158 °F) on concrete, granite, limestone and brick. No staining.

Surface Preparation

The surfaces must be clean and dry, free of foreign contaminants such as grease, oil, dust, water, frost, surface dirt, efflorescence, old sealants or sealing compounds and protective coatings. EIFS base coat surfaces must be coated with Weatherprime®.

Field Adhesion Test

A field adhesion test shall be performed by the contractor to verify adhesion characteristics and compatibility with the specific materials being sealed. Refer to Dryvit's Field Adhesion Test Procedure located in DS498. A copy of the results shall be submitted to Dryvit's Warranty Department.

Sealant Primer Application

Apply ElastiCARE Primer full strength with a small brush or roller. Apply a light uniform coat of no more than 1 wet mil. Very porous surfaces may require a second coat. **DO NOT OVER APPLY PRIMER.** Allow primer to be tack free before applying ElastiCARE Sealant. Depending on temperature and humidity, primer will be tack free in 15-30 minutes. Priming and sealing must be done on the same day. Re-prime if the sealant is not applied

the same day. Metal non-porous surfaces and other surfaces must be clean and rust free. MEK (Methyl Ethyl Ketone) solvent wipe is recommended prior to sealing (available from local sealant/building supply houses).

Sealant Application

Closed cell backer-rod shall be installed in the joint to control the sealant depth and profile. If the joint depth does not require the use of backer-rod, a bond-breaker (polyethylene strip) must be installed to prevent three-sided adhesion. **Do not open the cartridge until you are ready to install the sealant.** Apply ElastiCARE Sealant from the deepest point to surface of the joint in a continuous motion applying positive pressure. Properly tool the sealant before skin forms (typically within 25 minutes). Apply adequate pressure to compress the sealant against the backer rod and material surfaces. **DO NOT use water or soapy water to tool.**

Coating

Remove any dust or debris from the sealant before coating with Weatherlastic Smooth. Wipe the sealant surface with a clean cloth dampened with clean water. If Weatherlastic Smooth is applied using spray equipment, the sealant can be coated as soon as a skin has formed. If coating is applied using a brush or roller, the sealant can be coated 24 hours after it was applied. **Only Dryvit's Weatherlastic Smooth coating is recommended.** The sealant should be coated within 7 days after installation. Test prior to application.

Clean Up

Before curing, remove excess material with a solvent moistened towel. Wipe off all excess sealant before cleaning. Clean tools with mineral spirits.

Storage and Shelf Life

When stored unopened between 7.2 °C (45 °F) and 27 °C (80 °F), ElastiCARE Sealant has a shelf life of 9 months from the date of manufacture. Refer to product packaging for "Use By" date.

Cautions and Limitations

- Do not use ElastiCARE Sealant for structural glazing.
- Sealant shall be applied only when temperatures are between 7.2 °C (45 °F) and 38 °C (100 °F).
- Wall surface temperature shall be between 7.2 °C (45 °F) and 29 °C (85 °F).
- Weatherlastic Smooth is the only coating approved for application over ElastiCARE Sealant.

Safety

See product Material Safety Data Sheet (MSDS) for safety information.

Technical and Field Services

Available on request.

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