Visco Sealant

A High Viscosity Injection Molding Filler

Features

- Resistant to acid, alkali, salt and polar solvent
- Impermeable to moisture and gases
- No primer needed
- Easy-to-control applications

Our Visco Sealant is a one-component, amorphous, non-polar, high-viscosity, non-reactive sealant designed to deliver exceptional corrosion resistance and waterproof performance. It operates effectively across a wide temperature range and exhibits excellent adhesion to various substrates.

Description

As a non-curing, highly surface-compatible sealant, it is specifically engineered for filling and protecting water-sensitive areas prone to stubborn corrosion. Its ideal applications include tight spaces such as flange gaps, bolt hole threads, and storage tank seals. The product maintains a liquid consistency at specified temperatures, naturally filling gaps after application to provide permanent sealing for inaccessible spaces.

Storage and Shelf Life

This product should be stored indoors in a clean, dry, and well-ventilated area, away from direct sunlight. Keep the boxes upright with stacking height ≤ 5 layers. The same environmental conditions must be maintained during transportation. Storage temperature range: +4°C to +40°C (40°F to 104°F). Shelf life is unlimited.

General Requirements for Applications

General: The area to be coated has to be cleandry, and free from oil, grease and dust. All contamination including mill-scale has to be removed.

Degreasing: Degrease surfaces with Toluene or Heptane and e.g. a lint-free cloth.

Preventing Condensation of Water: Before and during construction, the working surface temperature must always remain at least 3°C (37.4°F) above the dew point temperature.

Working Surface Temperature: At temperatures above 0°C (32°F), the operating surface temperature should be maintained between +20°C and +40°C (68°F – 104°F),with preheating treatment required when necessary.

Project	Typical Value	Test Method
Color	Green/Blue	-
Temperature Rang	-45 to +100°C (-49 to +212°F)	ASTM D3418
Glass Transition Temperature	-65°C (-85°F)	ASTM E1356, 03
Density	1.15g/cm^3 (9.6lbs/gal)	ASTM D792
Adhesion	test on steel, PP, PE and FBE, Cohesive separation mode, no signs of adhesive failure.	ISO 814
Water Absorption @23°C (+73.4°F) 24h	0.025%	ASTM E96
Volume Resistivity	2.3x10^{13}Ω·cm (9.1x10^{12}ohm·in)	ASTM D257, 07
UV/Weather Cycle Test	1000 Hours Excellent, rating 10	ASTM D4587
Packaging Information	Cylindrical bag 0.5kg (1.1lbs)	

Application Instruction

Step 1

Minimum surface preparation should be ST2/SSPC-SP2 (Hand Tool Clean). Thoroughly remove any loose material, then clean the residue with toluene or heptane using a lint-free cloth.

Step 2

Injection method construction:

• Adjust the nozzle shape so that it can be accurately embedded in the size of the gap to be filled, and it is advisable to push the nozzle as deep into the gap as possible.

• Place the sealant cartridge into the joint filler and begin injection by squeezing the trigger and moving along the area to be sealed.

• To avoid air entrainment, keep the nozzle tip in continuous contact with the injected sealant. When the sealant is clearly visible at the edge of the opening, it indicates that the gap has been completely filled.

• After filling, you can use your fingers or tools to ensure good contact with the substrate and proper transition in the sealed area.

• Use a filler knife to polish the surface and remove excess filler to create a smooth outline for good adhesion.

Step 3

After completion, use Visco-Elastic Tape or Visco-Elastic EZ wrap tape to completely cover the Visco Sealant.

Make sure that the wrap transitions onto the surrounding substrate.

Step 4

After the completion of the ViscoSealant coverage, a mechanical protective layer is selected from PE or PVC packaging.

Step 5

Perform holiday detection per NACE SP0274 Handling and commissioning.

Friendly Reminder

The backfill should be kept clean and should not contain any foreign matter that could damage the coating system.

For more technical inquiries, please visit our website.

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