

Sure-Seal® EPDM

One Part Pourable Sealer



Overview

Sure-Seal One Part Pourable Sealer is a black single component, moisture curing, elastomeric polyether sealant that is compatible with Carlisle's Sure-Seal EPDM membranes. The material is designed to provide a flexible, durable and long lasting seal around hard-to-flash penetrations in Sure-Seal Roofing Systems. Sure-Seal One Part Pourable Sealer provides rapid skin time when exposed to atmospheric moisture forming a waterproof rubber surface in less than one (1) hour. Moisture curing continues, until a two (2) – inch deep solid rubber seal encases the penetration. Complete cure time will vary depending on relative humidity and temperature.

The sealant's one-part, pourable consistency allows for quick pocket filling without mixing. Carlisle's HP-250 or LVOC Primer must be applied to all EPDM surfaces, including cured membrane and uncured flashing, that will be in contact with Sure-Seal One Part Pourable Sealer. Primer should not be applied to the plastic (HDPE) strip that is part of the Sure-Seal Pourable Sealer Pocket. Unused sealant remaining in a pouch will remain useable up to 30 days if pouch is resealed with original cap.

Intended Uses

Sure-Seal One Part Pourable Sealer is designed to provide a flexible, durable and long lasting seal around hard-to-flash penetrations in Sure-Seal Roofing Systems.

Features and Benefits

- » Ready to use - no mixing required
- » Pouch can be resealed with original cap
- » Provides a flexible, durable and long lasting seal around hard to flash penetrations
- » Provides a water-tight seal in less than one hour

Coverage Rate

One 0.5-gallon pouch (2-liter) will fill 122 cubic inches of volume within a pourable sealer pocket. For example, one (1) 6" Sure-Seal Pourable Sealer Pocket (56 cubic inches) will require 0.23 gallons (0.87 liters) of pourable sealer to fill completely (with no penetrations).

Application **

1. Bonding surfaces must be free of moisture, dirt, or any contaminants. Any previously applied asphalt, caulking, or sealants must be removed from the penetration(s).
2. Fill any voids in the roof deck around the penetration(s) to prevent sealant from seeping through roof. Install appropriate Sure – Seal pressure sensitive Pourable Sealer Pocket or metal dam in accordance with the appropriate U-16 detail. Minimum pourable sealer depth is 2" (50 mm). Minimum distance from object to side of pocket is 1" (25 mm).
3. Carlisle's HP-250 or LVOC Primer must be applied to all EPDM surfaces, including cured deck membrane and uncured flashing, that will be in contact with Sure-Seal One Part Pourable Sealer. Primer should not be applied to the plastic (HDPE) strip that forms the inside wall of the Sure-Seal pressure sensitive pourable sealer pocket. Allow primer to flash off.
4. Remove cap from 0.5-gallon (2-liter) pouch and pour Sure-Seal One-Part Pourable Sealer directly into pocket. Fill pocket completely until rim is covered with Sure- Seal One-Part Pourable Sealer making sure all voids are filled.
5. To save unused sealant, squeeze air from pouch and replace cap. Unused sealant should be used within 30 days.

Review Carlisle specifications and details for complete installation information.

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Precautions

- » Review the applicable Safety Data Sheet for complete safety information prior to use.
- » Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
- » If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.
- » Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
- » Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
- » Do not thin. Thinning will affect performance.
- » Shelf life is based on storage in original, unopened or undamaged containers at temperatures ranging from 60°F to 80°F (15°C to 26°C). Should the Sure-Seal One Part Pourable Sealer be exposed to lower temperatures, restore to room temperature prior to use.
- » Coverage rates are average and may vary due to conditions of the job site.
- » KEEP OUT OF THE REACH OF CHILDREN.

Typical Properties and Characteristics

Specific Gravity	1.4 (11.6 lbs/gallon) - 1.5 (12.5 lbs/gallon)
Viscosity (Brookfield RTV), cps	Self leveling 20,000 - 50,000
Color	Black
Odor	Mild ester smell (mint) when wet. Odorless when dry
Elongation @ Break, % ASTM D-0412 - (7 day ambient cure)	450
Hardness, (Shore A) ASTM C-0661	25 - 35
Tack Free Time ASTM C-0679 - @ 70°F.	Less than 1 hour
Low temperature flex PASS	-20°F (-29°C)
Shrinkage (14 day cure)	No measurable shrinkage
Service temperature ASTM 2453	-40°F (-40°C) to 200°F (93°C)
Long term weatherability ASTM G53 - 98 cycles @ 12 hours/cycle - (condensate exposure - 4 hrs @ 50°C) - (U.V. exposure - 8 hrs @ 70°C)	No crazing or cracking
Packaging	4-0.5 gallon pouches per bucket
Weight Per Carton	29 lbs. / bucket (13.2 kg)
Shelf Life (unopened container)	12 months

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
VOC Content	<25g/L
Manufacturing Location	Schoolcraft, MI