

Energy Seal Coatings

Cool Roof Solutions

Acu-Caulk:SM

Silicone Mastic Caulk



DESCRIPTION

Acu-Caulk:SM is a single component silicone-based, "paste-like" mastic with excellent adherence to porous and non-porous substrates. It is resistant to stains and blisters, and exhibits high alkali resistance over masonry surfaces as well to corrosion resistance over metal. It is designed to be applied into vertical seams on metal roofs, around flashing, drains and protrusions, to repair cracks, seal fasteners and all common details found over the roof.

USES

Acu-Caulk:SM is used for waterproofing masonry, stucco, concrete block, modified bitumen membranes, asphalt, single-ply and metal as well as other roof and wall surfaces. It provides excellent adhesion, long life, and is resistant to failure by expansion, contraction, or other joint movement.

FEATURES & BENEFITS

- ✓ Superior Protection - forms a durable, weather resistant "rubber-like" seal.
- ✓ Ideal for sealing holes, cracks, gaps and joints.
- ✓ Highly flexible.
- ✓ 100% silicone caulk/ mastic.
- ✓ Cures with moisture.
- ✓ Plasticizer-free caulk, will not dry-out or become brittle.
- ✓ Contains a strong mildewcide / fungicide.
- ✓ Resistant to failure by expansion and contraction.
- ✓ High resistance to heat, cold, chemicals, solvents, water and pollutants in the air.
- ✓ Seals holes, gaps, crack, seams, fasteners, drains, skylights and other penetrations.
- ✓ Use as a stand alone sealant or as part of our Acu-Flex:100 silicone system.

PREPARATION

All surfaces to be coated must be clean, dry and free of any oil, grease or dirt. High pressure water washing is recommended. Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility. Cracks in stucco or masonry surfaces should be sounded out to determine if subsurface is hollow or there is delaminating in stucco. Stucco repair should follow standard procedures.

APPLICATION

Acu-Caulk:SM is ready to use, no thinning required or suggested.

Application can be made with a stiff synthetic brush, trowel or putty knife.

Apply a sufficient quantity of Acu-Caulk:SM to completely seal the seam or crack being treated, extending it from 1 to 2 inches on each side of the opening. On vertical roof seams (metal roof decks), it should be applied with a brush or flat trowel, on horizontal surfaces, it should be applied to a thickness of no greater than 50 mils at 4 inches wide. For crack repairs in concrete, apply Acu-Caulk:SM in multiple coats.

PER GALLON: 750 fasteners; 100 linear feet of seams at 4" wide and 40 wet mils.

Manufactured by Advanced Coating Systems, Inc.

V.O.C.
10 g./lit.

www.energy-seal.com

Seal It. Conserve It. Protect It.

800-587-3758

ACU-CAULK:SM

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Technical Data

Property	ASTM	Result
Color:	Internal	Beige
Viscosity, dm:	D-217-94	290 min
Density, gr/ ml:	D 1475	1.28 \pm 0.02
Type:	Internal	Moisture cure silicone mastic
Percent Solids by Volume:	D 1644	96.0% \pm 2 %
Percent Solids by Weight:	D 2369	97.0% \pm 2%
Dry time for water resistance:	D 1640	1 to 4 hours
Tensile Strength, lb/ in ² :	D 412	\leq 100
Elongation, %:	D 412	50 min
Total dry time:	D 1640	8 to 24 hours
Hardness, Shore A:	D 2240	45
Fungi Resistance:	G 21	Approved
Low Temperature Flexibility:	D 522	Approved, (-14°F, 9.6°C)
Flash Point:	D-56	>200°F
Packaging:	2 gallon buckets	

Some separation may occur during shipping and storage, therefore the contents of each container should be thoroughly mixed prior to application. Shelf life for this product is 12 months, unopened, from the date of manufacturer.

CAUTION: Do not apply within one hours of sunset, rain, fog or freezing temperatures. All coatings must be completely dry before exposing to water or foot traffic. Keep all containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call Physician immediately.

Our technical data and suggestions are based on information from laboratory and field testing which we believe to be reliable and correct. However, the accuracy and completeness of said tests are not guaranteed and not to be construed as a warranty, either expressed or implied. Since the use of the material is beyond manufacturer's control, buyer assumes all risk whatsoever as to their use or results obtained. We guarantee our products conform to Advanced Coating Systems, Inc. quality control. Advanced Coating Systems, Inc. warrants only the standard quality of material. Advanced Coating Systems, Inc. sole responsibility shall be to replace that portion of our product, which proved to be defective. Installer is responsible to test adhesion and product compatibility with substrate of all Energy Seal Coatings products prior to application.