

OSI[®]

Professional Grade Adhesives & Sealants

HM-270[®] SEALANT

CONSTRUCTION SILICONE

- Excellent for Non-porous material
- Waterproof & Weatherproof
- Easy Extrusion in any weather
- Permanently Flexible
- 4" Professional Nozzle

OSI[®] HM-270[®] is a high modulus, one-part RTV silicone sealant designed for sealing. It cures at room temperature upon exposure to moisture in the air providing good tensile strength and excellent adhesion to most non-porous building materials. HM-270 easily withstands temperature extremes and is highly resistant to UV light. HM-270 offers superior elasticity, long-life reliability and is unaffected by other harsh environmental elements.





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Recommended Uses

HM-270® is primarily used for structural or conventional type glazing and curtainwall sealing involving glass, plastic or metal. For general usage, HM-270 has many applications including sealing skylights, solar panels, ventilators, aluminum siding and windows, heating/air conditioning units, duct work, recreational vehicles, and other glass, plastic or metal assemblies.

Not Recommended For

- Use with concrete, marble, oily woods, limestone, brick, lead surfaces and vinyl
- Joints subject to continuous water immersion (i.e. swimming pools, boats, etc)
- Horizontal joints or traffic bearing joints where abrasion resistance is required (i.e. walkways, driveways, runways, etc)
- Applications in totally confined or air-free spaces
- Sealing green or vulcanized rubber
- Applications requiring painting (Paint will not adhere to silicone)

Coverage

For a 10 fl oz (295 mL) cartridge: A 1/4" (6 mm) bead extrudes approximately 30.6 ft (9.3 m). A 3/8" (9.5 mm) bead extrudes approximately 13.6 ft (4.1 m).

Storage And Disposal

NOT DAMAGED BY FREEZING. Store in a cool, dry place at temperatures not greater than 90°F (32°C). Dispose of unwanted product in accordance with state, local and federal regulations. Hardened material may be disposed of as non-hazardous trash.

Typical Cured Properties

Color:	Various colors available
Hardness, Shore A:	20
Service Temperature:	
Intermittent:	-60°F (-51°C) to 400°F (204°C)
Continuous:	-10°F (-23°C) to 250°F (150°C)
Paintable:	No
Elongation:	500%
Joint Movement Capability (14 days):	± 25%
Tensile Strength:	250 psi
180° Peel Adhesion:	
Glass	10 pli
Aluminum	10 pli
Water Resistant:	Yes, when fully cured.
Specifications:	
• Federal Spec. TT-S-00230C (COMNBS) Type II, Class A	
• Federal Spec. TT-S-001543A (COMNBS) Class A	
• ASTM C920: Type S, NS, NT	

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