



Polyglaze™ SM5732 Silicone Construction Sealant

TECHNICAL DATA

PRODUCT DESCRIPTION:

SM5732 Polyglaze™ Silicone Construction Sealant is a one-part acetoxycure adhesive sealant that is suitable for general construction sealing and adhesive applications. This product will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces. A primer may be required for optimum adhesion to some substrates. SM5732 exhibits good weatherability when exposed to ultraviolet radiation, rain, infrared radiation, atmospheric hydrocarbons and extremes in temperature.

BASIC USE:

SM5732 is a sealant designed for many interior and exterior uses. It is ideal for sealing:

- Heating, ventilating, or air conditioning duct work
- Cracks or gaps around windows, vents, ducts, fixtures and lights
- Leaks in gutters, downspouts, and piping
- Cracks in interior walls and ceilings, door joints and fixtures (see limitations)
- Electronic connections and boxes to waterproof
- Bonding gaskets in heating and refrigeration units

SPECIFICATION COMPLIANCE:

TT-S-001543
(Silicone Building Sealant)
TT-S-00230C
(One-Component Building Sealant)
ASTM C-920
NSF Approved for food contact

PRETEST ADHESION:

Pretest for adhesion is intended to eliminate potential field problems by testing SM5732 with samples of fabrication materials on which it will be applied. This testing will aid in determining the proper surface preparation method and effective cleaning techniques prior to application. ARCHITECTURAL COATINGS, PAINTS AND PLASTICS SHOULD BE CLEANED WITH A SOLVENT APPROVED BY THE MANUFACTURER OF THAT PRODUCT. READ ALL LABELING BEFORE USE, AND FOLLOW THE SOLVENT MANUFACTURER'S INSTRUCTIONS FOR SAFE HANDLING.

TYPICAL PROPERTIES:

<i>Property</i>	<i>Typical Value</i>	<i>Test Method</i>
Specific Gravity:	1.03	ASTM D 1475
Slump:	< 0.1"	ASTM D 2202
Tack Free:	10-20 min	ASTM C 679 (77°F, 50% RH)
Service Temperature Range:	-60°F to 450°F (-51.1°C to 232.2°C)	
Extrusion Rate:	350 gr/min	ASTM C 603
Elongation:	400%	ASTM D 412
Hardness: (Shore A)	27	ASTM C661
Tensile Strength:	300 psi	ASTM D 412
Movement Capacity:	±25%	ASTM C719
Shelf Life:	SM5732 has an 18 month shelf life when stored in a tightly closed container at or below 90°F (32°C).	

LIMITATIONS:

SM5732 Polyglaze™ Silicone Construction Sealant is not paintable.

APPLICATION:

Apply to clean dry surfaces. Cleaning of metal, glass or plastic surfaces should be by a solvent wipe procedure or by mechanical means. Detergent or soap and water cleaning treatments are not recommended. In all cases where used, solvents shall be applied with one clean cloth or a lintless paper towel, and wiped clean with a second cloth or towel. Cleaning solvents should not be allowed to air dry or evaporate without wiping.

Finished sealant bead should not exceed 1/2" wide by 1/2" deep. Closed-cell polyethylene backer rod can be installed so that the sealant depth is not less than 1/8" or more than 1/2".

CLEAN-UP:

Excess cured material must be cut or scraped away followed by wiping with isopropyl alcohol, aromatic or ketone-type solvents. The use of these solvents (or other solvents) may be hazardous to your health. KEEP AWAY FROM OPEN FLAME. Tools and application equipment may be cleaned with the same solvent.

PRECAUTIONS:

IF THIS PRODUCT IS USED IN DIRECT CONTACT WITH ANY OTHER SEALANT, ELASTOMER, THERMAL-BREAK COMPOUND OR ARCHITECTURAL PAINT, A COMPATIBILITY TEST MUST BE CONDUCTED, BY PURCHASER OR USER, PRIOR TO ACCEPTANCE. The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance.

EXCLUSION OF WARRANTIES:

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Complete technical information is available from Schnee-Morehead[®], Inc. For technical assistance, customer service and general information call:

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