



Cura Sil® SM2100 Bedding Compound

TECHNICAL DATA

PRODUCT DESCRIPTION:

SM2100 Cura Sil® Back Bedding Sealant is a one-component, moisture-cure, low VOC compound that exhibits excellent bond strength after cure. The compound is paintable and stainable. Tests indicate that this compound imparts integral flexibility, superior adhesion and resistance to ultraviolet and infrared radiation. Ease of application, minimum shrinkage, fast skin formation, and primerless adhesion to most fenestration finishes makes this compound the ideal choice for many drop-in glazing details.

BASIC USES:

SM2100 Cura Sil® Back Bedding Sealant was originally developed to function as the prime seal for drop-in glazing details in wood, vinyl and aluminum windows. Tests indicate that this compound, when fully cured, under normal ambient conditions, will withstand uniform structural loading in excess of 130 psf (228 mph wind load).

LIMITATIONS:

Not recommended for:

- a) Unprimed masonry joints that will be subjected to continuous water immersion.
- b) On special architectural finishes without pre-testing adhesion.
- c) Dynamic expansion joints.

Should not be applied to:

- a) Frost bearing surface or when temperature is below 40°F (4.45°C).
- b) Special architectural finishes without proper testing.
- c) Highly plasticized gasket compounds without proper testing.

WEATHERABILITY:

SM2100 Cura Sil® Back Bedding Sealant exhibits excellent weatherability when exposed to ultraviolet radiation, rain, infrared radiation, atmospheric hydrocarbons and extremes in temperature (1,000 hours QUV).

SPECIFICATON COMPLIANCE:

SM2100 Cura Sil® Back Bedding Sealant meets the test requirements of

Typical Properties:

Characteristic	Result	Test Method
Composition:	Reactive Polymer	
Percent Solids:	97% minimum	
Extrusion Rate:	5-20 seconds Readings are the range of time required to deliver 20 grams of materials through a 0.104" orifice with 40 psi air pressure @ 77 °F ASTM D 2452	
Flash Point:	42 °F (5.5 °C)	Tag close cup ASTM D 56
Slump:	0.1" Maximum	AAMA 800-92
Hardness (Shore A):	25 - 35	AAMA 800-92
Paintability:	Compatible with most alkyds, enamels and lacquers	
Odor:	Mild before cure; none after cure.	
Vehicle Migration:	Pass	AAMA 800-92
Peel Strength: (glass/aluminum)	20 p.i.w. Minimum	AAMA 800-92
Elongation:	300% Minimum	ASTM D 412
Service Temperature Range:	-40° - 200°F (-40.0°C – 93.3°C)	

INSTALLATION:

Standard caulking guns or industrial pump and flow gun system can be used successfully for compound application. Hoses from pumps or header systems and all seals/packings must be of Teflon or polypropylene. Apply to clean dry surfaces. Cleaning of metal, glass or plastic surfaces should be a solvent wipe procedure or by mechanical means. Detergent or soap and water cleaning treatments are not recommended. Protective films must be removed by a solvent recommended by the manufacturer of the film or by other means which leave no residue. In all cases where used, solvents shall be applied with one clean cloth or lintless paper towel, and the solvent wiped clean with a second cloth or towel. Cleaning solvents should not be allowed to air dry or evaporate without wiping.

ARCHITECTURAL COATINGS, PAINTS AND PLASTICS SHOULD BE CLEANED WITH SOLVENT APPROVED BY THE MANUFACTURER OF THAT PRODUCT. READ ALL LABELLING BEFORE USE, AND FOLLOW THE SOLVENT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR SAFE HANDLING.

AAMA Specification 805.2-92 Group C

COVERAGE:

1/16" (1.58MM) Diam. Bead6260 Ft. Gal.
1/8" (3.17mm) Diam. Bead.....1565 Ft. Gal.
3/16" (4.76mm) Diam. Bead.....695 Ft. Gal.

AVAILABILITY AND COST:

SM2100 Cura Sil® Back Bedding Sealant is available throughout the United States. Names of distributors and agents are available through Schnee-Morehead, Inc.

PACKAGING:

SM2100 Cura Sil® Back Bedding Sealant is available in spouted cartridges, 5-gal. (18.29 liters) pails and 50 gal. (182.95 liter) drums.

COLORS:

Limestone, Beige, Grey, Black and White.

FREIGHT CLASSIFICATION:

SM2100 Cura Sil® Back Bedding Sealant is a non-regulated solid compound.

SHELF LIFE:

When stored at temperatures not exceeding 80°F (26.67°C), SM2100 Cura Sil® Back Bedding Sealant has a shelf life of twelve (12) months from date of manufacture.

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.

CLEAN-UP:

The best method for clean-up of uncured Cura Sil® 2100 is the use of a clean dry rag. Wipe off any excess sealant then allow the residual to cure. Any residual sealant will appear hazy. This haze can be cleaned off using IPA or other suitable solvent. Cured sealant will need to be mechanically removed.

PRETEST FOR ADHESION:

Pretest for adhesion is intended to eliminate potential field problems by testing SM2100 Cura Sil® Back Bedding Sealant with samples of building materials on which it will be applied. This testing will aid in determining the proper surface preparation method and effective solvents for cleaning prior to application.

FIRST AID:

KEEP OUT OF REACH OF CHILDREN.

Avoid skin and eye contact. Avoid breathing of direct concentrated vapors. Use with adequate ventilation. On contact, uncured sealant could cause irritation o the skin and eyes. In case of eye contact flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel. If swallowed do not induce vomiting, call a physician. This product is manufactured for professional and industrial use only.

Refer to Material Safety Data Sheet (MSDS) for further information.

For medical emergency only, call ChemTrec 1-800-424-9300

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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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