

# SM5601 SM5603

## ISOCRYL® TAPE SEALANTS



### PRODUCT NAME:

SM5601 (Black) Isocryl® Tape Sealant.  
SM5603 (Gray) Isocryl® Tape Sealant.

### MANUFACTURER:

Schnee-Morehead, Inc. Please refer to the reverse side of this sheet for the listing of the manufacturing facility.

### PRODUCT DESCRIPTION:

Isocryl® Tape Sealants are compounded from polyisobutylene and isoprene polymers. Tests indicate that they exhibit aggressive initial adhesion, are easily compressed and will easily accommodate dimensional changes in a detail where movement is anticipated. Physical characteristics are maintained after exposure to ultraviolet radiation and temperature extremes. Atmospheric contamination has little to no effect on the function of these sealant tapes.

The suitability of this product, for each intended use, must be determined by the purchaser or user prior to acceptance.

### SPECIFICATION COMPLIANCE:

AAMA Specification: AAMA 807.3
Reference Standards: ANSI/AAMA 101-85 AAMA/NWWDA101/1.5.2

### BASIC USES:

SM5601 and SM5603 are used in fabrication details found in many industries. Outdoor lighting fixtures, curtain wall fixed joints, skylite details, panel dampening applications and transportation industry vision lites are but a few of the diverse areas where these sealant tapes can be used.

These tape sealants may be factory or field applied. No primers are required to obtain adhesion. Clean

TYPICAL PROPERTIES		
Characteristic	Result	Test Method
Color:	SM5601: Black SM5603: Gray	
Consistency:	Soft tacky rubber	
Cone Penetration:	101-115mm/5 seconds 300 gram load	ASTM D 217
Percent Solids:	100%	
Elongation:	500% minimum	ASTM D 1191
Service Temperature Range:	-30°F (-34°C) to 180°F (82°C)	
Storage Life:	18 months from date of manufacture when stored in original closed container at or below 100°F (38°C)	
Crazing to Acrylic Plastic:	None	MIL-S-11030 C Para. 4.5.7
Peel Strength:	7-10 P.I.W. 95% cohesive separation	AAMA 800.92
Wt/Gal.:	9.58 lb/gal. (1.15 Kg/L)	
*ALL TEST METHODS ARE THE MOST RECENTLY PUBLISHED VERSIONS.		

substrates are required for optimum adhesion.

### LIMITATIONS:

- Not recommended for:
- Joints that will be subjected to continuous water submersion.
  - Joints that are not mechanically fixed.

### APPLICATION LIMITATIONS:

- Do not apply tape sealant to wet or frost bearing surfaces.

### TECHNICAL DATA:

Tests indicate that Isocryl® Tape Sealants exhibit resistance to ultraviolet and infrared radiations, precipitation, atmospheric hydrocarbon contamination and extremes in temperature. Shelf life is eighteen (18) months when stored in a dry place where temperature does not exceed 100°F (38°C).

### INSTALLATION:

Optimally, a clean dry uncontaminated surface is desired to obtain intimate adhesion, but realistically there are field situations that prevent complete control of surface conditions. Obviously, excessive oil, caked-on dirt, free-standing water and ice or snow must be removed before the tape sealant is applied.

Position tape sealant on required seal area with backing paper on top. Using a smooth even hand motion, press the tape to the surface to make intimate contact without distorting the tape sealant. Avoid lapping of tape by butt joining tapes at transition points. Remove backing paper prior to mating adjoining surface and fastening. **IF THIS TAPE SEALANT IS IN DIRECT CONTACT WITH ANY OTHER SEALANT OR ELASTOMER, A COMPATIBILITY TEST MUST BE CONDUCTED PRIOR TO USE.**

SM5601 and SM5603 Isocryl® Tapes are compatible with the following Schnee-Morehead products:

- Acryl-R® Sealant SM5522
- SM5430 Non-Drying Sealant
- Acryl-R® Narrow-Joint Sealant SM5504
- SM7100 and SM7108 Permathane® Polyurethane Sealants
- SM5731 and SM5732 Poly-Glaze™ Silicone Sealants

eliminate potential field problems by testing Isocryl® Tape Sealants with samples of the surface on which it will be applied. This testing will aid in determining the proper surface preparation, if any, that will be necessary prior to tape sealant application.

The suitability of this product, for each intended use, must be determined by the purchaser of user prior to acceptance. Typically, solvent base sealants will soften butyl tape sealants upon contact. This is a short term effect until the solvent has evaporated, and no long term effects on performance properties of the tape sealant are anticipated.

**SPECIFICATION COMPLIANCE:**  
Isocryl® Tapes meet and exceed the test requirements of:

**AAMA 807.3** (This specification supersedes obsolete NAAMM Std. SS-1b-68)

**AVAILABILITY AND COST:**  
Isocryl® Tape Sealants are available in a variety of sizes. Please contact Schnee-Morehead for additional information. Names of distributors and agents are available through Schnee-Morehead.

**MAINTENANCE:**  
No maintenance should be needed.

**PRETEST FOR ADHESION:**  
Pretest for adhesion is intended to

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Complete technical information is available from Schnee-Morehead.  
For technical assistance, customer service, and general information, please call **1-800-TRUST SM.**

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