



SM5601 SEALANT TAPE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Tacky Tape® SM5601 Sealant Tape is 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.

BASIC USES:

SM5601 Sealant Tapes are used in fabrication details found in many industries. Outdoor lighting fixtures, curtain wall fixed joints, skylight details, fenestration details, panel dampening applications, and transportation industry vision lites are but a few of the diverse areas where these sealant tapes can be used. It can also be used to seal joint details found in assembly and fabrication operations where a high-solids, non-drying preformed sealant is required.

SM5601 may be factory or field applied. No primers are required to obtain adhesion. Clean substrates are required for optimum adhesion.

Tests indicate that the tape exhibits resistance to ultraviolet and infrared radiation, atmospheric hydrocarbon contamination and extremes in temperature. The tape will not craze acrylic or polycarbonate plastic surfaces.

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 sealant tape is applied.

Cleaning of substrate surfaces to remove oil films, protective coating, and atmospheric contamination is easily accomplished with a degreasing solvent like xylene, toluene or methyl ethyl ketone. The use of these solvents (or other solvents) may be hazardous to your health. Use only in well ventilated areas. KEEP AWAY FROM OPEN FLAME. Read all labeling before use and follow solvent manufacturer's recommendations and instructions for safe handling.

TAPE APPLICATION:

Position the tape sealant on required seal with backing paper on top. Using a smooth even hand motion, press the tape to the surface to make intimate contact without distorting the sealant tape. Avoid lapping of tape by butt joining tapes at transition points. Remove backing paper prior to mating adjoining surface and fastening.

LIMITATIONS:

Not recommended for:

- a) Joints that will be subjected to prolonged periods of water submersion.
- b) Joints that are contaminated with oil, grease, wax, lacquer films, corrosion, bitumens, uncured or cured solvent-trapped wood treatment, damp, wet or frost bearing surfaces.
- c) Joints that are not mechanically fixed.

TYPICAL PROPERTIES:

<i>Characteristic</i>	<i>Result</i>	<i>Test Method</i>
Percent Solids:	100%	
Color:	Black	
Consistency:	Soft tacky rubber	
Peel Strength:	7-10 PLI	AAMA 800
Elongation:	500% min.	ASTM D 1191
Sag:	None	AAMA 800
Vehicle Migration:	None	AAMA 800
Cone Penetration	101-115 300 gram load	ASTM D 217
Wt/Gal	9.58 lb/gal. (1.15 Kg/L)	
Water Resistance:	Excellent	AAMA 800
Crazing to Acrylic Plastics:	None	MIL-S-11030 C Para. 4.5.7
Service Temperature Range:	-30°F to 180°F (-34°C to 82°C)	
Shelf Life:	SM5601 Sealant Tape will exhibit an 18 month shelf life when stored at temperatures not exceeding 100°F (38°C).	

PRECAUTIONS:

IF THIS PRODUCT IS USED IN DIRECT CONTACT WITH ANY OTHER SEALANT OR ELASTOMER, 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 or user prior to acceptance. Pretesting for adhesion will aid in determining proper surface preparation if necessary.

EXCLUSION OF WARRANTIES:

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Complete technical information is available from
ITW Polymers Sealants North America, Inc.