



SM5700 TAPE SEALANT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Tacky Tape® SM5700 is a 100% solids compound that is a blend of polyisobutylene polymer and highly crosslinked butylpolymer. It is supplied as a preformed sealant in rope form. The product can be described as a dense, tacky, rubber-like compound.

BASIC USES:

SM5700 Tape Sealant is used for sealing and bedding vision lites and panels found in fenestration details. It can also be used to seal other joint details found in assembly and fabrication operations where a high-solids, non-drying preformed sealant is required. SM5700 may be factory or field applied. No primers are required to obtain adhesion. Clean substrates are required. The tape exhibits excellent weatherability when exposed to ultraviolet and infrared radiation, atmospheric hydrocarbon contamination and extremes in temperature. SM5700 will not craze acrylic or polycarbonate plastic surfaces.

INSTALLATION:

Preparation:

- a) A clean dry uncontaminated surface is required for optimum sealant performance. Joints must be inspected prior to application and any condition that could cause sealant failure should be reported to the general contractor and architect.
- b) 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.
- c) Inspect all sash to assure that openings are square, plumb and properly anchored to assure face and edge clearances. Ventilators and operating sash must be adjusted and glazed in closed position.
- d) Seal all butt and miter joints in frame joinery with SM5504 Narrow Joint Sealant prior to tape application.

TAPE APPLICATION:

- a) Position tape approximately 1/32 of an inch below the sight line of the fixed stop. Avoid running one continuous length of tape around the entire opening. Do not lap adjoining lengths of tape. Butt the tape ends together, tool forming a molded-type corner. Then seal the joint with SM5504 Narrow Joint Sealant. This technique will allow intimate contact of tape and glass or panel surfaces.
- b) If frame joinery (butt joint) is vertical, apply the tape on the head and sill sections covering this joint prior to applying tape to the jamb sections. If the joinery is horizontal apply the tape to jamb sections, covering the joint, prior to head and sill application. Seal all tape joints with SM5504 Narrow Joint Sealant.
- c) Setting blocks should have a Shore "A" hardness of 80-90. These should be placed at quarter points on the sill member. Prior to use, setting blocks and anti-walking blocks must be tested for sealant compatibility.
- d) Center the glass or panel in the opening on the setting blocks and press firmly against the tape.

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.

TYPICAL PROPERTIES:

<i>Characteristic</i>	<i>Result</i>	<i>Test Method</i>
Percent Solids:	100%	Standard Vacuum Method
Tensile Yield:	10-20 psi (0.06 – 0.13 N/MM ²)	AAMA 800
Elongation:	300 - 500%	ASTM D 1191
Sag:	None	AAMA 800
Vehicle Migration:	None	AAMA 800
Hardness (Shore 00)	40 – 60	AAMA 800
Water Resistance:	Excellent	AAMA 800
Crazing to Acrylic Plastics:	None	MIL-S-11030 C
Service Temperature Range:	-50°F to 180°F (-44.5°C to 82.2°C)	
Shelf Life:	SM5700 Tape Sealant will exhibit a 12 month shelf life when stored at temperatures not exceeding 80°F (26.7°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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