



TACKY TAPE[®] SM5710 H.P. Poly-Glaze[™] Tape Sealant

TECHNICAL DATA

PRODUCT DESCRIPTION:

SM5710 H.P. Poly-Glaze[™] is a 100% solids molecularly forged and highly cross-linked butyl compound. It is supplied as a preformed tape in roll form on easily removed backing paper. The product can be described as a dense, tacky, rubber-like compound.

BASIC USES:

SM5710 H.P. Poly-Glaze[™] Tape Sealant is used in compression glazing details of vision lites exceeding 100 unit inches or panels where dynamic requirements and high performance characteristics are required. Tests indicate that the tape has excellent stability and weatherability when exposed to ultraviolet and infrared radiations, atmospheric hydrocarbon contamination and extremes in temperatures

LIMITATIONS:

Not recommended for:

- Joint that will be subjected to prolonged periods of water submersion.
- Joint that are contaminated with oil, grease, wax, lacquer films, corrosion, bitumens, uncured or cured solvent-trapped wood treatment, damp, wet or frost bearing surfaces.
- Details that will subject the sealant to temperatures in excess of 250°F (121°C).
- Sloped glazing details.

SPECIFICATION COMPLIANCE:

AAMA 806.3-92
Reference Standards:
ANSI AAMA 101-88
ANSI AAMA 1002-10-83

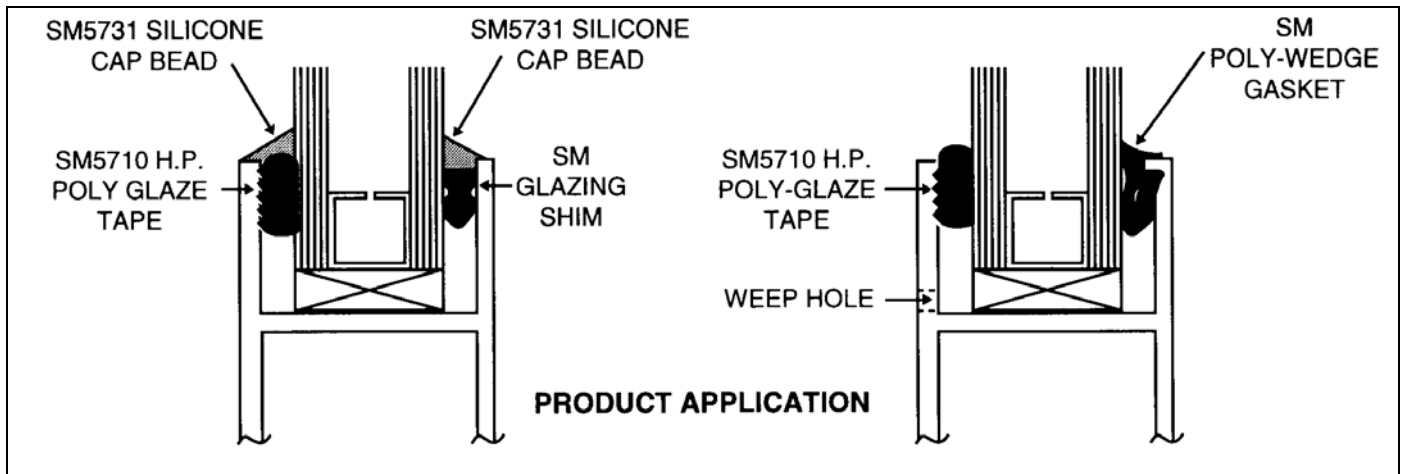
TYPICAL PROPERTIES:

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Characteristic	Result	Test Method
Percent Solids:	100%	
Peel Adhesion:	15-20 pli	AAMA 800-92
Tensile Yield:	10-20 psi (0.06-0.13 N/mm ²)	AAMA 800-92
Elongation:	300-500%	ASTM D 1191
Sag:	None	AAMA 800-92
Vehicle Migration:	None	AAMA 800-92
Hardness (Shore 00):	70-80	AAMA 800-92
Water Resistance:	Excellent	AAMA 800-92
Crazing to Acrylic Plastics:	None	MIL-S-11030 C
Service Temperature Range:	-50°F to 200°F (-45.55°C to 93.3°C)	
Application Temperature Range:	40°F (4.4°C) and up.	
Shelf Life:	SM5710 H.P. Poly-Glaze [™] 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.



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.
- c) Remove the backing paper prior to setting glass or panel.
- d) 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.
- e) Center the glass or panel in the opening on the setting blocks and press firmly against the tape. Tape compression of 25% to 40% is easily accomplished with a wedge gasket and a compression tool whose surface or point will not exceed 6.5 mohs hardness. Wedge gasket should be cut 1" longer than the measured sill or jamb length. Start wedge application at the corners and work to the center. Apply head and sill sections prior to jamb wedge gasket measurement and application.

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