



SM5196

ROOF SEALANT/ ADHESIVE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Tacky Tape® SM5196 has been specifically designed as a permanent bond providing instant superior watertight and airtight bonds to repair, seal, and restore roof damage and seams with or without the use of primers. SM5196 is based on a hybrid high molecular weight synthetic elastomeric backbone, formulated to yield extreme adhesion strength to high performance flexible and rigid roof panels such as EPDM, TPO, PVC, SBS, and Kynar painted surfaces. SM5196 also performs exceptionally well on many other substrates such as metals, aluminum, galvanized steel, fiberglass, fiber cloths, concrete, and brick. This engineered adhesive is extruded with double sided adhesion and is designed with a tough, flexible, exterior weathering and UV resistant backing coupled with a removable release liner to ease installation. SM5196 sealant/ adhesive tape have high modulus, extreme tensile strength, and tenacious adhesion to allow it to resist flow, sag, and/or uplift at elevated outside temperatures.

ADVANTAGES:

- Easy to apply by hand (User friendly)
- Room temperature application
- 100% solid, non-hazardous, non-toxic and Green product
- Compatible with most paving substrates and roofing materials
- Tenacious adhesion to painted metals, PVC, EPDM, TPO, concrete, asphalt, and Urethane
- Permanently flexible and elastic over wide range of temperatures
- Allows for joint movement of up to $\pm 25\%$
- Backing and adhesive resist the formation of mildew and fungus by inhibiting microbial activity
- Excellent resistance to water, water vapor, and alcohols

APPLICATION:

Used to repair damaged or deteriorated roof areas and re-seaming all roof materials, sealing interior and exterior air duct, gutters, awnings, pond liners etc, wrapping pipe connections to protect against corrosion in tough environments and as flashing around doors and windows.

Install the SM5196 directly to the surface by peeling off the release paper liner. Apply pressure by hand on the backing to obtain maximum adhesion and to ensure positive seal. For optimum results, apply the sealant/ adhesive tape onto clean and dry surfaces free of loose rust, scale, dust, talc and dirt. Use suitable solvent/ cleaner to remove oil, grease, silicon and other contaminants.

PACKAGING:

Tacky Tape® SM5196 sealant is supplied in roll form with a special release paper. The tape is available in a variety of sizes.

This product is available through ITW Polymers Sealants North America, Inc. Customer Service department at 1-800-878-7876.

PERFORMANCE TEMPERATURE RANGE:

Application Temperature Range: 45°F (7°C) to 120°F (49°C)
Service Temperature Range: -22°F (-30°C) to 180°F (82.2°C)

STORAGE:

Keep in a cool dry place. SM5196 has an 18 month shelf life from date of manufacturer when stored at or below 80°F (27°C). Store rolls on core end, standing up.

MAINTENANCE:

No maintenance should be required. Clean up trimming and put into suitable container. Dispose of in accordance with Federal, State and Local environmental regulations. Industrial and commercial use only.

SPECIFICATION COMPLIANCE:

AAMA 711-07
AAMA 804.3-08
AAMA 807.3-08
Federal Specification TT-C-1796A, Type II, Class B

TYPICAL PROPERTIES:

Backbone Composition:	Polyisobutylene and Ethylene Propylene Copolymer Elastomers
Color:	Black
Percent Solids:	100%
Weight per Gallon (Specific Gravity):	9.5 lbs/ gal (1.15)
Consistency: Cone Penetration (ASTM D217 – 300gm load at 77°F)	85 – 105 (0.1mm)
Tensile Yield: (AAMA 800-08)	>10 psi (68 KPa)
Elongation: (ASTM C908)	> 500%
Vehicle Migration or Bleedout: (AAMA 800-08)	None
Hardness (AAMA 800-08 Shore “00”)	40 – 60
Peel Strength: (ASTM D903)	> 10 PLI (100% Cohesive separation) (EPDM: 19 PLI, PVC: 16 PLI, TPO: 18 PLI, PVL: 18 PLI, Alum/ Kynar: 15 PLI, Galv/ Kynar: 15 PLI, Stainless: 17 PLI)
Water Resistance (AAMA 800-08)	No effect
Crazing to Acrylic Plastics: (Mil-S-11030E)	None
Low Temperature Flexibility: (1/2” radius @ -30°F)	Excellent
Shelf Life:	18 months minimum in unopened container when stored at or below 90°F (32°C)

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