

# METAL BUILDING SYSTEMS SEALANTS & TAPES

ACRYL-R® . TACKY TAPE® . PERMATHANE®



ADVANCED SEALANT TECHNOLOGY

“Products to stick with.”®

# TACKY TAPE®

## SM5227

### BUTYL SEALANT TAPE

A highly elastic butyl rubber tape with excellent surface tack specifically designed for sealing metal roof panel joints and Standing Seam Roof (SSR) endlaps. Its superior surface tack allows it to adhere to metal substrates that are contaminated with light roll forming oil without prewiping the surface. It has excellent adhesion and compressibility to cold substrates. It is formulated without asbestos fillers.

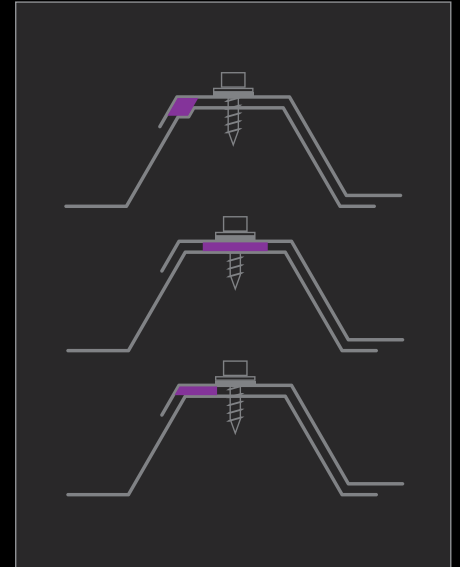
- Excellent adhesion to oily GALVALUME®, GALVALUME PLUS®, ACRYLUME®, ZINCALUME®, Kynar 500®, aluminum, aluminized steel, polyvinyl fluoride and siliconized polyester painted metal, concrete, FRP and glass
- No cracking or loss of adhesion at -40 °F
- Service Temperature Range -40 °F to 200 °F
- Application Temperature Range -5 °F to 120 °F
- Elongation (ASTM C908) > 1000%
- Adhesive Tensile Strength (ASTM C907) 20 psi minimum
- Will resist fungal attack and not support mildew growth
- USDA acceptable
- Meets AAMA 807.3-16
- Meets ASTM E1680 Air Infiltration
- Meets ASTM E1646 Water Leakage

It is available in rolls and pre-cut endlap pads. Pre-cut endlap pads are custom manufactured and packaged for each manufacturer's SSR design. Also available in 3/16" x 7/8" double-bead web-section, 3/16" x 7/8" mini-triple bead and 3/16" x 2-1/2" web-section "triple" bead rolls.

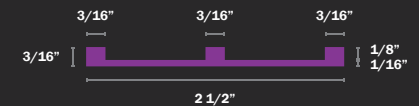


## SM5227

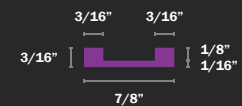
### LAP SEAM APPLICATIONS



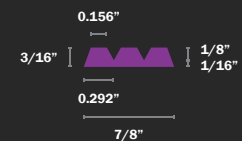
### AVAILABLE SIZES



2-1/2" x 3/16" Triple Bead



7/8" x 3/16" Double Bead



7/8" x 3/16" Mini Tri-Bead

# ACRYL-R®

## SM5430

### NON-SKINNING, NON-SAG SSR INSULATED PANEL SEALANT

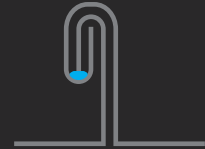
A high performance, high solids, non-skinning, non-drying standing seam roof (SSR) sealant based on a unique elastomer that provides a non-stringy consistency and excellent resistance to severe environmental conditions of heat, cold and moisture. Specifically formulated for precise application into concealed panel joints for roll forming lines (standing seam roof panels). It has excellent cut-off characteristics and is not stringy or messy to apply. It is also designed for sealing the warm side of concealed exterior polyurethane foam panels to form a vapor barrier seal. It is formulated without asbestos fillers.

- Excellent adhesion to oily GALVALUME®, GALVALUME PLUS®, ACRYLUME®, ZINCALUME®, Kynar 500®, aluminum, aluminized steel, polyvinyl fluoride and siliconized polyester painted metal, concrete, FRP and glass
- Remains permanently soft and tacky
- Engineered for cold storage (low temperature) applications
- Sealant will easily engage and transfer to male joint
- Factory-caulked panels can be erected in the field up to six months after factory caulked
- Minimal Shrinkage
- No cracking or loss of adhesion at -60°F
- Service Temperature Range -60°F to 200°F
- Application Temperature Range 10°F to 120°F
- Will resist fungal attack and not support mildew growth
- Excellent for sealing between dissimilar metals to prevent electrolysis
- Meets Federal Specification TT-C-1796A, Type I, Class A
- Meets ASTM E1680 Air Infiltration
- Meets ASTM E1646, Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference, passes no water leakage
- USDA acceptable

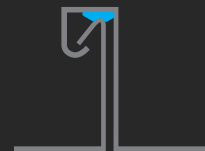


## SM5430

### STANDING SEAM ROOF APPLICATIONS



Encapsulated  
Field Seam



Roll to Seam and Field  
Seam to Lock



Compressed Field Seam  
and Snap-Together



Compressed Field Seam  
and Snap-Together



Compressed Field Seam  
and Snap-Together



# PERMATHANE®

## SM7120 PU

### POLYURETHANE SEALANT

SM7120 PU is a versatile construction grade, one-component, high-performance polyurethane sealant with excellent adhesion and elongation properties. It is a gun-grade, non-sag, moisture-cure polyurethane sealant formulated to skin and cure rapidly. It provides outstanding UV resistance and long-term durability.

It is designed for sealing exterior panel joints, gutters, roof curbs, roof jacks, skylights, air conditioning equipment, curtain wall joints and perimeter sealing windows and doors. It is ideal for dynamically moving joints with exceptional resistance to cut and tears.

- Excellent adhesion to a variety of substrates
- Dependable performance and durability
- Easy to gun, tool, and clean
- Excellent adhesion to a variety of substrates including primer-less adhesion to galvanized steel, aluminum, concrete, glass, Galvalume®, Kynar 500®, wood, vinyl, and fiberglass.
- Permanently flexible, excellent weatherability
- Paintable – non-sticky after cure
- VOC Compliant to SCAQMD, CARB, and OTC
- Can be applied to damp surfaces
- Withstands prolonged water immersion
- Service Temperature Range -40°F to 180°F
- Elongation (ASTM D412) 685%
- Tensile Strength (ASTM D412) 133 psi
- Peel adhesion (ASTM C794) 35 pli<sup>^</sup>
- Designed to accommodate ± 35% total joint movement
- Excellent weatherability and UV resistance
- Meets Federal Specification TT-S-00230 C (Type II) Class A, Non-sag, One-Component
- Meets AAMA 808.3-16
- Meets ASTM C920, Type S, Grade NS, Class 35, Use-NT, A, M, G and O
- USDA acceptable

<sup>^</sup>Peel Adhesion: Glass - 38 pli, Aluminum - 41 pli, Vinyl - 24 pli, Concrete - 38 pli



## SM7713 MS

### SILYL-MODIFIED ADHESIVE SEALANT

Permathane SM7713 MS is a single-component, moisture-cured, solvent-free, gun-grade, asphalt-compatible Silyl-Modified Adhesive Sealant exhibiting low modulus elastomeric properties with excellent performance. The sealant is designed to skin and cure rapidly providing outstanding UV Resistance and long-term durability. The sealant provides excellent adhesion over a wide variety of substrates.

- Asphalt Flashing Compatible conforming to AAMA Specification 713-08
- Excellent adhesion to a variety of substrates
- Dependable performance and durability
- Easy to gun, tool, and clean
- Accommodates ± 50% joint movement
- Permanently flexible, excellent weatherability
- Paintable once cured
- VOC Compliant to SCAQMD, CARB, and OTC
- Primerless adhesion to substrates including galvanized steel, aluminum, Galvalume®, Kynar 500®, wood, vinyl, and fiberglass. For concrete applications consult technical support.
- Service Temperature Range -40°F to 180°F
- Elongation (ASTM D412) 950%
- Tensile Strength (ASTM D412) 180 psi
- Peel adhesion (ASTM C794) 31 pli<sup>^</sup>
- Designed to accommodate ± 50% total joint movement
- Excellent weatherability and UV resistance
- AAMA 713-08 Complaint (Asphalt-Flashing Compatible)
- TT-S-00230 C (Type II) Class A, Non-sag, One-Component
- ASTM C 920 Type S, Grade NS, Class 50, Use-NT, A, and O
- AAMA 808.3-16 (Exterior Sealing Compound)
- USDA acceptable

<sup>^</sup>Peel Adhesion: Glass - 38 pli, Aluminum - 35 pli, Vinyl - 31 pli, Concrete - 21 pli



# PERMATHANE®

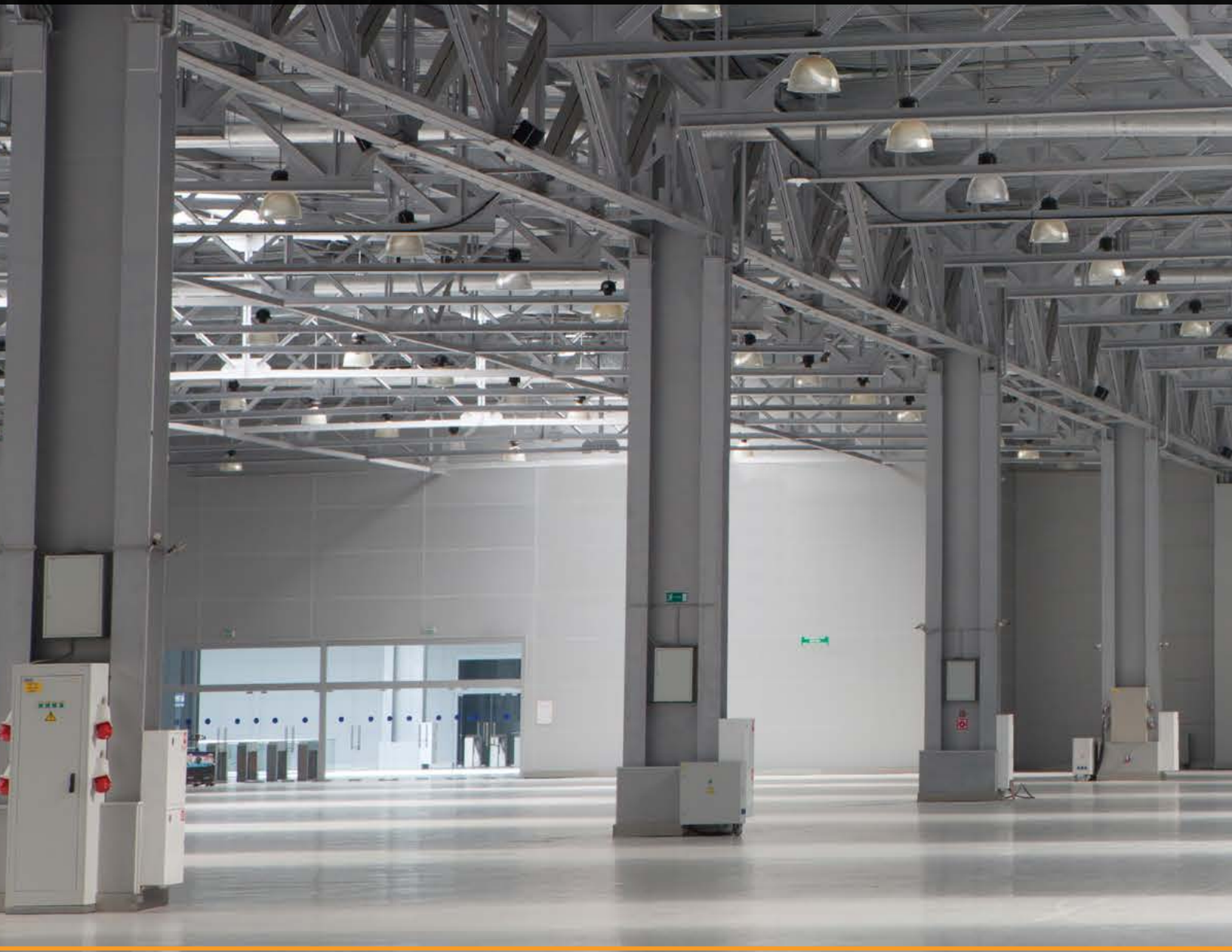
## SM5731

### SILICONE-NEUTRAL CURE

A one-component, neutral cure, medium modulus, non-corrosive silicone sealant with excellent adhesion to PVC, aluminum, glass and a variety of painted surfaces without priming. GALVALUME® and ZINCALUME® coated metals require an amine free and acetic acid free silicone sealant for long-term performance.

- Remains permanently elastic
- Excellent adhesion to clean GALVALUME®, GALVALUME PLUS®, ACRYLUME®, PVC, Kynar 500® and painted metal surfaces
- Non-corrosive
- SM5731 will not attack GALVALUME® or ZINCALUME® coated metals
- Tensile strength (ASTM D412 Method "A") Clear color 100 psi, Colors 260 psi
- Elongation (ASTM D412) 400%
- Recovery (ASTM D412) 100%
- C-Tear (ASTM D624) 25 psi
- Tack-Free Time 10 minutes 1/4" bead @ 77° F, 50% R.H.
- Cure time 10 hours 1/4" bead @ 77° F, 50% R.H.
- Service Temperature Range - 60° F to 400° F
- Meets Federal Specification TT-S-001543A, Type NS and TT-S-00230C, Type II, Class A and ASTM C920, Type S, Grade NS, Class 25
- AAMA 802.3-92 (Type I and II) and AAMA 805.2-94 Group C
- USDA acceptable
- Not paintable
- Excellent weatherability when exposed to ultraviolet, radiation, rain and atmospheric hydrocarbons and extremes in temperature





1.800.878.7876

**“Products to stick with.”<sup>®</sup>**