



Elastomeric Roofing Systems, Inc

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Permthane® SM7108 Sealant

Product Data Specification

TYPICAL PHYSICAL PROPERTIES

Solids by Volume	97% min.
Extrudability	
(ASTM C-603)	2 seconds
Rheology, vertical	sag, 120°F
(ASTM C-639)	no sag
Tack-Free Time	
(ASTM C-679)	2 to 4 hours
Tensile Strength	
(ASTM D-412)	300 psi
Elongation at Break	
(ASTM D-412)	500%-600%
Lap Shear Strength	
(glass to glass)	275 + 25 psi
(ASTM D-1002)	(21 day cure)
Hardness, Shore A	
(ASTM C-661)	30-40
Movement Capability	
(ASTM C-719)	+ 25%
Bond Durability-Glass	
Aluminum, Concrete	+ 25%, no
Failures	
Accelerated Weathering	no
*elastomeric Atlas 6500 Xenon Arc property change	
model after 3000 hours	
Service Temperature	
Range	-40°F to 200°F

DESCRIPTION

SM7108 sealant is a one component, balanced modulus, moisture curing, non-sag, gun-grade elastomeric sealant. It is designed to seal various construction/fabrication details that are subject to structural movement. After cure, SM7108 exhibits a flexible, resilient rubber that has adhesion to a wide variety of substrates.

USES

SM7108 sealant is designed for sealing expansion and control joints, precast concrete panel joints,

perimeter caulk joints, copings, steps, risers and tilt-wall joints and between construction materials of dissimilar expansion coefficients.

VARIED APPLICATIONS

- Pre-engineered metal buildings
- Pre-cast concrete units
- Flashings of all types
- Curtain walls
- Windows and panel walls
- Skylights
- Expansion and control joints
- Waterproof rivet seams
- RV's, truck and trailer lap seams
- Fascia and parapet sealing

COLORS

Available in standard architectural colors: black, bronze, gray, white, limestone, and almond.

PACKAGING

SM7108 is packaged in 1# tubes – 30 tubes per case.

COMPLIANCE SPECIFICATION

- Federal Specification TT-S-00230 C, Type II, Class A
- ASTM C-920, Type S, Grade NS, Class 25, Use NT, M, A, G and O

PREPARATION

Concrete and masonry surfaces must be free of foreign matter and contaminants. Dust and loose particles should be blown out of joints. A clean, dry, sound and uncontaminated surface is mandatory. Stone surfaces must be cohesively sound, dry and free of contaminants. Granite, limestone, marble and sandstone must be pre-

tested for adhesion prior to sealant installations. Mill finish aluminum may contain an invisible oil film or oxide. Clean with a good degreasing solvent like xylene, toluene or commercial isopropyl alcohol. The use of these solvents (or other solvents) may be hazardous to your health. Use only in well ventilated areas.

APPLICATION

SM7108 sealant is applied by caulking gun directly from the cartridge. SM7108 must not be applied to frost-bearing surfaces if temperature will be below freezing for more than 24 hours. Tooling techniques using solvents or soapy solutions are not recommended. All surfaces must be evaluated for adhesion prior to product acceptance.

CLEAN-UP

Immediately remove all excess sealant smears adjacent to the joint with xylol, toluol, 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 instruction for safe handling. Tools and application equipment may also be cleaned with the same solvents.

CURE TIME

A tack-free skin is formed during the curing process in 2 to 4 hours at normal conditions (75°F/23.88°C) and full cure takes place in 24 to 48 hours. Cure rates vary with changes in temperature and humidity.

LIMITATIONS

Do not apply to unprimed masonry joints that will be subjected to continuous water immersion. Do not apply over joints that are contaminated with grease, wax, corrosion, bitumens or cement laitance. Do not use on horizontal joints in floors, decks where physical abuse is encountered or special architectural finishes without proper testing.

PROPOSITION 65

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAUTION!!!!

Warning: COMBUSTIBLE LIQUID & VAPOR

Avoid skin and eye contact. On contact, uncured sealant could cause irritation to the skin and the eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact remove sealant with a paper towel. If swallowed, do not induce vomiting, call a physician. KEEP OUT OF REACH OF CHILDREN. This product is manufactured for industrial use only.

WARRANTY

IMPORTANT: While the information and data contained herein are presented in good faith and believed to be reliable, they do not constitute part of our terms and conditions of sale. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

ERSystems' sole warranty is that the product will meet the sales specification at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

PRIOR TO USE OF THIS MATERIAL, READ ALL APPROPRIATE MATERIAL SAFETY DATA SHEETS.