



Product Data Sheet (PDS):

GacoSeal™ SM7120 PU

Revised: 09/2026

GACOSEAL™ SM7120 PU POLYURETHANE SEALANT

A. DESCRIPTION:

GacoSeal™ SM7120 PU is a one-component, gun-grade, non-sag, moisture-cure polyurethane sealant designed to skin and cure rapidly. This high-performance product is designed with outstanding UV resistance and long-term durability.

B. RECOMMENDED USE:

GacoSeal SM7120 PU is designed to seal construction joint details. **Uses include but not limited are:**

- Metal Buildings
- Perimeter joints around windows and doors*
- Sealing door hinges, skylights, and portholes
- Masonry Expansion joints
- Air conditioning equipment, flashing and gutters
- Waterproof rivet seams and roof rails
- Commercial Roofing
- Bonding sidewalls in RV's and trucks
- Sealing vehicle bodies, cab construction, underbody compartments, and roofing
- Sealing corner moldings, fabricated roof-lap seams, bumper assemblies, and body-to-cab joints in motor homes
- Between construction materials of dissimilar expansion coefficients

**Use SM7713 MS for Asphalt-Flashing compatibility*

C. ADVANTAGE:

- Adhesion to a variety of substrates
- Dependable performance and durability
- Easy to gun, tool, and clean
- Expected to accommodate $\pm 25\%$ joint movement
- Permanently flexible, excellent weatherability
- Excellent cut and tear resistance
- Paintable – non-sticky after cure
- VOC Compliant to SCAQMD, CARB, and OTC

D. SPECIFICATION CONFORMANCE

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| <ul style="list-style-type: none">▪ US Federal Specification TT-S-00230 C (Type II) Class A, Non-sag, One-Component▪ ASTM C 920 Type S, Grade NS, Class (25), Use-NT, A, M, G and O▪ AAMA 808.3-10 (Exterior Sealing Compound) |
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E. TYPICAL PROPERTIES

Property	Typical Value	Test Method
Peel Adhesion [^] :	30 ± 5 pli	ASTM C794
Tensile Strength:	200 psi (1.38 N/MM ²)	ASTM D412
Elongation:	550 ± 50%	ASTM D412
Sag C-Channel	Negligible	ASTM C639
Hardness (Shore A):	40 ± 5 A	ASTM D 2240
Service Temperature Range:	-40°F to 180°F, (-40°C to 85.2°C)	
Solid Content (wt.%)	98 ± 2	
Flash Point (Seta-Flash CC):	≥180°F	ASTM D3278
Shelf Life:	12 months when stored at or below 80°F.	
Skin Time:	2-4 hours	
Cure Time:	2-7 days	
VOC:	≤ 30 g/L	EPA Method 24
* Skin and cure times are dependent on temperature, humidity, and porosity of the substrates. The above times are based on a ¼" bead at 75°F and 50% relative humidity. Low humidity, cooler temperature, and non-porous substrates will lengthen these times. [^] Peak Peel Adhesion: Glass - 33 pli, Aluminum - 33 pli, Vinyl – 24 pli, Concrete - 30 pli		

FOR ADHESION:

Due to the number and types of substrates available, pretesting for adhesion is recommended. Testing on samples of materials to which it will be applied is intended to eliminate potential field problems and help determine proper surface preparation. Certain substrates may require the use of primer. Please contact customer service representative.

We recommend using GacoSeal SM7713 MS when requiring Asphalt-Flashing compatibility.

APPLICATION:**Surface Preparation:**

- Surfaces must be clean, dry, and free of oil or grease. Concrete and masonry surfaces must be free of foreign material, contaminants, water repellents, form oils, and laitance.
- Stone surfaces must be cohesively sound and free of contaminants. Granite, limestone, marble, and sandstone must be pre-tested for adhesion prior to sealant installation.
- Mill finish aluminum may contain an invisible oil film or oxide. Clean with a good degreasing solvent such as xylene or toluene. Allow cleaned surface to dry out before sealant application.
- Many high-performance coatings or unusual surface treatments may require abrasion of the surface with steel wool or fine emery paper during preparation. In cases where doubt exists, contact Holcim Solutions and Products US, LLC technical service for recommendations.

Joint Design:

- Sealant depth should not exceed joint width. Sealant depth should not be greater than ½ inch or less than ¼ inch.
- Use of closed cell polyethylene backer-rod approximately 25% larger than the width of the joint is recommended for deep joints. A bond-breaker film must be used in shallow joints to prevent three-sided adhesion.
- Do not puncture or prime the backer-rod.

Priming:

- It is expected that SM7120 PU will adhere and perform in uncontaminated joints with most common substrates, without the use of a primer.
- Joints subjected to intermittent immersion or vertical joints subjected to rain should perform without the need of a primer.
- Priming of masonry or other porous joints is recommended only if the joints are subjected to prolonged or continuous wet conditions.
- CONSULT TECHNICAL SERVICE HELP IN CASE PRIMER IS REQUIRED

- **APPLICATION LIMITATIONS:**

- SM7120 PU must not be applied to frost-bearing surfaces or if the temperature will be below freezing within 24 hours.
- All surfaces must be evaluated for adhesion prior to product acceptance.
- The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance.

Not recommended for:

- a) Not recommended for continuous water immersion.
- b) Joints that are contaminated with grease, wax, corrosion, bitumen, or cement laitance.
- c) Special architectural finishes without proper testing.
- d) Contact of SM7120 PU with asphalts (i.e., back coating impregnated with oil, asphalt, tar, etc., may deteriorate the cohesive strength of the substrate and ultimately compromise the seal. **Please refer to SM7713 MS for asphalt applications.**

TOOLING:

Tooling of freshly applied sealant should be done in one continuous stroke. Tool the sealant with adequate pressure to spread the sealant against the back-up material and onto the joint surfaces. Excess sealant should be dry-wiped from all surfaces while still uncured. If joint surfaces have been masked, remove masking tape immediately after tooling. Cured sealant is very difficult to remove.

CLEAN UP:

Immediately remove all excess sealant smears adjacent to the joint with xylene, toluene, acetone, or locally exempt solvents. Tools and application equipment may also be cleaned with the same solvents.

Note: 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. Follow solvent manufacturer's recommendations and instructions for safe handling.

PRECAUTIONS:

If this product is used in direct contact or in close proximity with any other sealant or elastomer, a compatibility test must be conducted by the purchaser or user prior to use. When applied in close proximity, neutral cure silicones will prevent SM7120 PU from curing. There will be no problem if either sealant is applied and allowed to fully cure prior to the application of the other.

Avoid skin and eye contact. On contact, uncured sealant could cause irritation to the skin and 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 or a cloth. Wash off contact area with soap and water. If irritation persists, consult a physician. If swallowed, do not induce vomiting, call a physician. **KEEP OUT OF REACH OF CHILDREN. This product is manufactured for industrial use only.**

** For specific Health and Safety information, please refer to applicable Safety Data Sheet (SDS)*