

**Elastomeric Polyurethane Sealant****Asmaco Pro PU**

Asmaco Pro PU is a one-component, high-performance, primerless, gun-grade, elastomeric polyurethane sealant that cures to form a durable, flexible, weatherproof seal with excellent performance in moving joints. Once cured, this sealant is permanently elastic and can be painted with most paint systems. It has good adhesion to most general construction materials and good weather and UV resistance.

**Product Details:**

- Elastomeric Polyurethane
- Joint Movement Capability  $\pm 35\%$  Provides Excellent Flexibility For Keeping Moving Joints Sealed
- Easy To Apply & Tool
- No Primer Is Needed For Most Construction Materials
- Can Adhere To Green Concrete Up To 72 After Pour
- Permanent Elasticity After Cure With High Adhesion To Most Substrates
- Strong Weathertight Seals
- Large Temperature Application Range Allows Harsh Climate Application
- Paintable After Curing
- Superior Holding Power For Long-Lasting Roof Tile Installation
- Performs Well When Immersed And In Wet Areas

**Product Applications:**

- Interior / Exterior Projects
- Above & Below Grade
- General Construction
- Aluminum & Wood Window Frames
- Roofing, Fascia, Parapets, & Siding
- Expansions Joints & Panel Walls

**Packaging:**

- Colors: Various
- 10.1 fl oz cartridges x 12 pcs



## Technical Data

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
<b>UNCURED PHYSICAL PROPERTIES</b>		
Color	Various	-
Consistency	Smooth Paste	ASTM C 1184-23
Curing Mechanism	Moisture Curing	-
Shelf Life	12 Months	-
Density, g/ml	1.30 ±0.02	ASTM D 1475
Tack Free Time	30 - 60 Min (72° F & 50% R.H.)	-
Curing Rate	1/8" / Day (72°F & 50% R.H.)	-
Temperature Resistance	-22°F - +176°F	-
Application Temperature	+40°F - +104°F	-
Rheological (Flow)	3mm (Maximum)	ASTM C 639
Sagging	None	ISO 7390
<b>CURED PHYSICAL PROPERTIES</b>		
Paintability	Yes	-
Hardness Shore A	30-35	ASTM C 661
Artificial Weathering	No Cracking / Loss of Adhesion	ASTM C 793
Weathering / UV Resistance	250 Hours	ASTM G 26
Elongation Break	≥800%	ASTM D 412
MAF (Movement Capability)	±35%	ASTM C 719
E 100 Modulus	>116 psi	ASTM D 412
Tensile Strength	>145 psi	ASTM D 639
Tear Strength	>870 psi	ASTM D 412



## Adhesion:

**We recommend a compatibility test prior to painting and adhesion test prior to application.**

Adheres to: most porous and non-porous substrates including most metals, woods, plastics, aluminum, vinyl, composites, glass, porcelain & ceramic tile, brick, stone, stucco, masonry, cement board, drywall, plaster, PVC, and more.

## Application Instructions

Apply product when ambient temperatures are above 40°F. Avoid application when rain or below freezing temperatures are expected within 24 hours.

### Surface Preparation:

Thoroughly remove all residual dirt and old sealant and clean surface with a degreasing solvent. Immediately wipe with another clean cloth to remove residual solvent and dirt.

### Masking:

Use masking tape to achieve a clean and neat appearance. Protect surrounding areas from excess sealant to reduce cleanup.

### Application Process:

Cut the nozzle at a 45° angle and attach to cartridge. Puncture inner seal. Place into caulk gun. Apply the sealant at the base of the joint, ensuring complete filling.

### Tooling:

If necessary, tool immediately after sealant application. After a skin has formed, refrain from touching the sealant until cured.

### Curing Time:

With an ideal atmosphere of 73°F at 50% relative humidity, the sealant will reach full cure in 24 hours. Curing time can change subject to relative humidity and air temperature. Allow caulk to cure for 30 minutes before painting with latex or oil-based paints.

### Cleanup Instructions:

Clean up excess uncured sealant from surface and tools with a damp cloth or sponge. Scrape or cut away excess cured sealant. Wash hands or skin with soap and water.

## Joint Configuration

Joints should be a maximum of 1/2" inch. Width to depth ratio should be 1:1. Sealants should be selected and installed in line with the ASTM C-1193 Standard Guide for use of Joint Sealants. In deep joint applications backer rod should be used to backfill the joint to avoid three-point adhesion.



## Storage & Disposal

Reseal cartridge for storage and future use. Store opened and unopened containers in a cool, dry, well-ventilated area away from heat, sparks and direct sunlight. Elevated temperatures or extreme cold will reduce the shelf life of the product.

Dispose of product in accordance with local government disposal guidelines. Cured material may be disposed of in the trash.

## Health & Safety

Direct contact with uncured sealant irritates eyes and may irritate skin. Exposure to vapor may irritate eyes, nose and throat. Keep out of reach of children. Avoid skin and eye contact. In case of eye contact, flush eyes with warm water for 15 minutes and seek medical attention. For skin contact, remove sealant with a clean paper towel. If swallowed do not induce vomiting, seek medical attention. Asmaco Pro HY is manufactured for professional use only. Refer to Safety Data Sheet (SDS) for further information.

## Limited Warranty

Manufacturer warrants that this product, when used as directed, will meet the above specifications. If not satisfied, return with proof of purchase for refund. This is the sole and exclusive remedy and Manufacturer shall not be liable for any damages in excess of the purchase price. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS. This Limited Warranty gives you specific legal rights, which vary from state to state. For warranty assistance, contact Anchor Allied USA

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