



Premium Neutral Cure 100% Silicone Asmaco Pro MR

Asmaco Pro MR is a premium metal roofing and panel sealant that is non-corrosive and bonds to uncoated and coated metals (including Kynar®) as well as most other construction materials. It is permanently elastic, UV-resistant and will not chalk or fade. It is ideal for interior and exterior applications.



Product Details:

- 100% Silicone
- 100% Weatherproof
- Neutral Cure
- Lifetime Mold-Free Protection
- Maximum Flexibility
- Maximum Adhesion
- Meets ASTM C-920, Class 50
- Shrink & Crack-proof
- Superior UV Resistance
- Won't stain most common substrates
- Non-Paintable, Won't Yellow
- Low Odor

Product Applications:

- Metal Roofing
- Downspouts
- Siding & Trim
- Snow Guards
- Stucco
- Roof Tile

Meets:

ASTM C-920, ASTM C-719, Type S, Grade NS, Class 50, Use NT, G, A and O: ASTM C-1184 For Structural Silicone Sealants.

Packaging:

- Colors: Various
- 9.5 fl oz cartridges x 24 pcs



Technical Data

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
UNCURED PHYSICAL PROPERTIES		
Base	Polysiloxane	-
Appearance / Consistency	Thixotropic (Non-Sag)	-
Curing Mechanism	Moisture Curing	-
Shelf Life	15 Months	Stored Between 40°F - 78°F
Coverage	55 Linear Ft. @ 3/16" Round Bead	-
VOC	<5 g/l	USEPA - 24
APPLICATION PROCESS		
Clean Up	Mineral Spirits	-
Application Temperature	-35°F - +140°F	-
Skin Over Time	4 - 7 Minutes	ASTM C 920 - 18
Tack Free Time	30 Minutes (72° & 50% R.H.)	ASTM C 679 - 15
Curing Time	1/8" per 24 Hours (72° & 50% R.H.)	-
CURED PHYSICAL PROPERTIES		
Service Temperature	-40°F - +325°F	-
Water Ready	30 Minutes	-
Weathering (UV Resistant)	250 Hours	-
Mildew Resistance	Cured Caulk is Mold & Mildew Resistant	-
Hardness - Shore A	25	ASTM D - 412
Elongation Break	≥500%	ASTM D - 412
E 100 Modulus (74°F)	> 72.7 PSI	ASTM D - 412
E 100 Modulus (-5°F)	> 40 PSI	ASTM D - 412
Tensile Strength	> 270 PSI	ASTM D - 639
Movement Capability	±50%	ASTM C - 719
Stain & Color Change	Passes	ASTM C - 834
Artificial Weathering	No Cracking or Loss Of Adhesion	ASTM C 920- 18 ASTM C 719- 14





Adhesion:

We recommend a compatibility test, especially with use on Powder Coated Materials and PVD.

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

Application Instructions

Apply product when ambient temperature is between -35F° and 140F°.

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 professional 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 and adheres to both sides.

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.

Cleanup Instructions:

Clean up excess uncured sealant from surface and tools with mineral spirits. Scrape or cut away excess cured sealant. Do not use mineral spirits to clean hands or skin. Wash hands with soap and water.

This sealant can not be painted. Paint surfaces prior to sealant application.

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 NC 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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