



PRODUCT DATA SHEET

#701 Silicone Roof Coating

DESCRIPTION

AIM #701 Silicone Roof Coating is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity in 1 to 4 hours by reacting with moisture in the air. For applications with lower-than-normal temperature and humidity levels, expect the cure time to be longer. This product provides long-term weathering protection and resists ultraviolet radiation while adapting to temperature extremes.

USES

AIM #701 Silicone Roof Coating is designed for use on spray applied polyurethane foam, EPDM, PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, metal, and various single-ply membrane roofing.

AIM #701 Silicone Roof Coating provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone, ultraviolet radiation and the temperature extremes typically found on roofs. With its high solids content and absence of hydrocarbon solvents, AIM #701 can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion.

APPLICATION

Surface to be coated must be dry and free of dirt or corrosion particles. Clean with AIM #110 Detergent Primer. EPDM roofs in particular require aggressive power washing and may need to be cleaned twice to remove all surface contamination. Thoroughly rinse the roof after cleaning to remove all detergent. Primerless application is allowed on some substrates. Adhesion test results meeting the requirements of ASTM D 6694 are required for primerless applications. Discoloration of AIM #701 coating is expected when applied without primer to asphalt surfaces. Asphalt BUR, granulated modified bitumen, smooth modified bitumen and aluminum coated roofs may require AIM #140 Acrylic Resin Primer or AIM #115 Acrylic Bonding Primer for increased adhesion and/or asphalt bleed through resistance. All penetrations, drains, flashings, ponding water areas, terminations, curbs, etc., should be sealed with AIM #703 Silicone Sealant.

The coating can be applied with standard airless spray equipment or applied by medium nap roller. For small touch-up work, a brush may be used.

This product cures through absorption of moisture from both the substrate and the air. Avoid entraining air when mixing. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Open and partially full containers will skin over quickly. If this occurs, remove the skins and continue using the remaining product. Drying time will vary depending upon wet film thickness, temperature, humidity, and air movement.

SPRAY EQUIPMENT

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons (11.4 liters) per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" (19mm) and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .030 and a 50° fan tip.

CLEAN UP

Clean wet coating with soap and water. Dry coating may be removed with VM&P Naphtha or Mineral Spirits. Use care when handling solvents.

PRECAUTIONS

DO NOT STORE AT TEMPERATURES BELOW 50°F (10°C) OR ABOVE 120°F (49°C). DO NOT ALLOW TO FREEZE. DO NOT APPLY WHEN HEAVY DEW OR RAIN IS EXPECTED WITHIN 24 HOURS. DO NOT THIN.

When transporting this product, be sure the lid is tight and the pail is secured. Do not allow pail to tumble as this may loosen the lid and cause leakage or spillage.

TECHNICAL DATA

As Supplied:	
Solids Content, Percent by volume ASTM D-2369	99
Specific Gravity, at 25°C (77°F)	1.26
Tack-Free Time	1-2 hrs.
Cure Time	1-4 hrs. Volatile
Flash Point	141°F
VOC	<50 grams/liter

CAUTION

Do not take internally. Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. If swallowed, do not induce vomiting.

FIRST AID

Eyes: Flush with plenty of water for 15 minutes, including under eyelids. Seek medical attention if discomfort persists.

Skin: Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water.

Inhalation: Remove to fresh air. Get medical help if discomfort persists.

Ingestion: Not an expected route of entry. Do not induce vomiting. Seek prompt medical attention if symptoms occur.

SPILLAGE

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

WARNING: This product contains a chemical known to the State of California to cause cancer.

CERTIFICATIONS



Container sizes

5 Gallon (19 L) Pails

55 Gallon (208 L) Drums

275 Gallon 1,041L) Totes

LIMITED WARRANTY

TO THE EXTENT ALLOWED BY LOCAL LAW, EXCEPT AS SET FORTH BELOW, SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE WITH RESPECT TO THE GOODS HEREIN SOLD. THERE ARE NO OTHER WARRANTIES OF ANY KIND EXPRESS OR IMPLIED BEYOND THE TERMS SET FORTH ON THE FACE HEREOF. NO EMPLOYEE OR AGENT OF SELLER IS AUTHORIZED TO ALTER THE TERMS HEREOF.

Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of 12 months from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application.

LIMITATION OF LIABILITY: In the event of a defect or failure falling under this warranty, Buyers sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental, or consequential damages, whether based on contract, tort (including negligence), or any other legal theory.



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