



PRODUCT DATA SHEET

#705 Solvent-Based Silicone Roof Coating

PRODUCT DESCRIPTION

AIM #705 Solvent-Based Silicone Roof Coating is a 100% silicone based, single part roof coating that creates a barrier that is resistant to natural weathering. AIM #705 Solvent-Based Silicone Roof Coating is manufactured from durable inorganic silicone resins, reinforcing and reflective pigments, and silane adhesion promoters. The #705 product is durable, breathable, watertight and weatherproof.

USES

AIM #705 Solvent-Based Silicone Roof Coating can be applied over spray applied polyurethane foam, EPDM, PVC, aged acrylic coatings, concrete, asphalt BUR, granulated modified bitumen, and metal roofs. Asphalt BUR, granulated modified bitumen, smooth modified bitumen, PVC and aluminum coated roofs may require AIM #704 2 Part Epoxy Primer for increased adhesion and/or asphalt bleed through resistance. On single-ply roofs, AIM #704 2 Part Epoxy Primer must also be used to increase long term adhesion in areas that retain water. AIM #705 Solvent-Based Silicone Roof Coating may be applied to TPO roofs with AIM #702 TPO Primer.

APPLICATION

Mechanically mix prior to 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. Close all fresh air intakes before application to prevent solvent fumes from entering the building. All seams, fasteners and penetrations should be sealed with silicone sealant. Apply a coat of AIM #705 Solvent-Based Silicone Roof Coating at a rate of 1 gallon per 100 sq. ft. A second coat may be necessary. Allow coating to cure, typically 2 to 4 hours, then apply second coat at the rate of 1 gallon per 100 sq. ft. For best results, apply coating in a multi-directional fashion. Use AIM #705 Solvent-Based Silicone Roof Coating as it comes from the container. No thinning is necessary with this product.

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 skin and continue using the remaining product.

Clean up with mineral spirits or waterless hand cleaner. Use care when handling solvents.

Shelf Life: Two years from the date of manufacture

CAUTION

COMBUSTIBLE LIQUID AND VAPOR

Contains petroleum distillate. Harmful or fatal if swallowed.

Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye irritation. Causes skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Keep away from heat and open flame. Use only with adequate ventilation. Do not breathe vapors. If you experience eye watering, headache, or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.

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.



SPECIFICATIONS

ASTM D 6694

Viscosity	ASTM D 2196	30,000 cps
Solids by Weight	ASTM D 1644*	81%
Solids by Volume	ASTM D 2697*	71%
Weight Per Gallon	ASTM D 1147	10.2 lbs.
Tensile Strength	ASTM D 2370	500 psi
Elongation	ASTM D 2370	250 %
Tear Strength	ASTM D 624	31 lbf/in
Reflectivity – Initial	ASTM C 1549	.84
Reflectivity – Aged	ASTM D 1549	Pending
Emissivity	ASTM C 1371	.91
SRI	LEED	106
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	220 g/l

Typical physical properties +/- 5%

Container Sizes: 5, 55 gallon

Colors: White

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.

