

Polyurethane Aluminum **POLY-KOAT 600** Technical Data Sheet

*Premium • Elastomeric
Roof Coating & Sealant*

Typical Physical Properties:

Total Solids: 79% by weight ASTM D1644
68% by volume ASTM D2697

Weight Per Gallon: 9.0 lb per gallon \pm 0.2

Flash Point: 80° F

Clean Up: Xylene

Shelf Life: 90 days @ 40°- 90° F

Viscosity: 3,000 \pm 1000 cP

Elongation: 350% \pm 50

Hardness: 69 Shore A

Tensile Strength: 1000 psi \pm 50

Permeability: .02 perm inch

Service Temperature: -50° to 200° F

Water Absorption: 2.4%

Adhesion: Exceeds Tensile

Cure Times:

Dry To Touch: 6 Hours

Tack Free: 8-12 Hours

Recoat: 12-16 Hours



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Product Description: A technologically advanced, high solids, single component, moisture cure polyurethane elastomer coating uniquely formulated for the protection of sprayed-in-place polyurethane foam insulation and traditional roofing substrates, such as EPDM single ply membrane and BUR surfaces. Once cured this liquid applied moisture-curing polymer provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, Poly-Koat 600 provides greater UV protection than similar generic coatings and offers increased resistance to moisture penetration through its lower moisture vapor permeability values. Due to its moisture-cure properties, a longer production window can be achieved during application.

Recommended Uses: Poly-Koat 600 was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion, Poly-Koat 600 may be used as well for protection of conventional commercial/industrial surfaces such as, but not limited to, EPDM single ply membranes, wood, concrete, masonry and most types of metals, including lining and sealing of interior gutter systems.

General Application Instructions:

Poly-Koat 600 may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Apply Poly-Koat 600 only to clean, dry, sound surfaces free of loose particles or other foreign matter. Successive and/or top coats **MUST** be applied to the base or intermediate coats within 48 hours to insure proper adhesion. Apply Poly-Koat 600 at the rate of 1.25 gallon per 100 sq. ft. per coat. Minimum dry mil thickness shall be 25 mils. Do not apply if ambient temperature falls below 50° F. **PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.**

LIMITATIONS AND PRECAUTIONS:

AVOID MOISTURE CONTAMINATION IN SEALED CONTAINERS. Store in a dry environment at temperatures between 40°F-100°F. **KEEP AWAY FROM HEAT, OPEN FLAME OR SPARKS.** USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or mist.