

ALDOCOAT 400 PREMIUM ACRYLIC

PRODUCT DESCRIPTION:

ALDOCOAT 400 is a high solids, technologically advanced, fire retardant, thixotropic, 100% acrylic elastomer uniquely formulated for the protection of metal, SPF and a wide variety of other sloped substrates. The proprietary formulation incorporates premium elastomeric acrylic resins, reinforcing laminar pigments and non-migrating fire retardants to produce a seamless, flexible, durable membrane having exceptional weatherability, ultraviolet and fire resistance. **ALDOCOAT 400** acts as a "breathing" membrane allowing trapped moisture vapor to pass through the film while remaining impervious to exterior mass water penetration. The resultant tough, cured film provides good resistance to mechanical damage and chemical attack.

RECOMMENDED USES:

ALDOCOAT 400 is the ideal choice for metal roofs, BUR and single ply restoration. This product is ideal for use over spray polyurethane foam and metal decks. **ALDOCOAT 400** has passed ASTM D6083, is Miami-Dade and Florida Building code approved, Cool Roof Rating Council (CRRC) and Energy Star rated and CA Title 24 Approved. The thixotropic nature of **ALDOCOAT 400** permits high build coverage, even on rough, textured or vertical surfaces without pinholing or sagging. It also has excellent adhesion to a variety of other substrates, such as asphalt, primed wood, primed metal, concrete and masonry. Ponding water conditions are to be avoided. Please contact our Technical Service Department for primer recommendations for application over rusted surfaces.

APPLICATION INSTRUCTIONS:

ALDOCOAT 400 may be applied by airless spray equipment at a minimum rate of 1-2 gallons per square per coat. Airless spray is the most efficient application method for larger projects. Brushes and rollers may be used for detail work such as edge termination, filling of voids, pinholes and small cracks. Apply **ALDOCOAT 400** only to clean and dry sound substrates free of loose particles or other foreign matter.

ALDOPRIME 708 Acrylic may be used to enhance adhesion over aged spray polyurethane foam roofs. Do not apply product when ambient temperature falls below 50 F.

Contact our Technical Service Personnel for project specific primer recommendations and substrate preparation.

TYPICAL PHYSICAL PROPERTIES

TOTAL SOLIDS:

65% ± 3% by weight ASTM D1644
53% ± 3% by volume ASTM 2697

WEIGHT PER GALLON:

12.1 lb per gallon ± 0.2

FLASH POINT: None

CLEAN UP: Soap and Water

SHELF LIFE: 12 months @ 45°- 80° F

COLOR: White

VISCOSITY: 10,000 ± 3,000 cps; 94 KU

ELONGATION: 239% ASTM D2370

IMPACT RESISTANCE:

Exceeds 160b in/lb. ASTM D-2294

HARDNESS: 45 Shore A ASTM D-2240

TENSILE STRENGTH:

278 psi ASTM D2370

PERMEANCE: 6.5 perms ASTM D1653

SALT SPRAY:

No effect (3800 hours) ASTM G-117

ACCELERATED WEATHERABILITY:

Pass, No Cracking ASTM D4798

SERVICE TEMPERATURE:

-40° TO 200° F

SOLAR REFLECTANCE: 86%

THERMAL EMITTANCE: 88%

CURE TIMES:

DRY TO TOUCH: 4 Hours @ 75° F

TACK FREE: 12 Hours

RECOAT: 12-24 Hours

EPA Energy Star Listed

MIAMI-DADE APPROVED:

NOA #14-0203.07

CRRC and CA Title 24 Approved