

## 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