

ALDOCOAT 386 ALIPHATIC POLYURETHANE

PRODUCT DESCRIPTION:

ALDOCOAT 386 is a technologically advanced, high solids, single component, moisture cure, bright white polyurethane elastomer coating uniquely formulated as a finish coat over **ALDOCOAT 384** Polyurethane in low slope roof restoration projects. 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, **ALDOCOAT 386** provides greater UV protection than similar aliphatic polyurethanes 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 versus water based acrylic coatings.

RECOMMENDED USES:

ALDOCOAT 386 was specifically developed as a bright white protective top coat over a base coat of **ALDOCOAT 384** for EPDM, TPO, PVC, modified bitumen and SPF roof systems. With excellent color retention and high durability, **ALDOCOAT 386** is used for protection, waterproofing, solar reflectivity and service life extension of these low slope conventional roof systems.

GENERAL APPLICATION INSTRUCTIONS:

ALDOCOAT 386 may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Apply **ALDOCOAT 386** only to clean, dry, sound coating 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 **ALDOCOAT 386** 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-85°F. KEEP AWAY FROM HEAT, OPEN FLAME OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or mist.

TYPICAL PHYSICAL PROPERTIES

TOTAL SOLIDS:

77% by weight ASTM D1644
68% by volume ASTM D2697

WEIGHT PER GALLON:

8.5 lb per gallon ± 0.2

FLASH POINT:

93° F CLEAN UP: Xylene

SHELF LIFE:

90 days @ 40°- 90° F

VISCOSITY:

3,000±1000 cP

ELONGATION:

350% ± 50

HARDNESS:

69 Shore A

TENSILE STRENGTH:

600 psi ± 25

PERMEABILITY:

.02 perm inch

SERVICE TEMPERATURE:

-50° TO 200° F

WATER ABSORPTION:

1.6%

ADHESION:

Exceeds Tensile

CURE TIMES:

DRY TO TOUCH: 6 Hours
TACK FREE: 12- 16 Hours
RECOAT: 12- 16 Hours

SOLAR REFLECTANCE:

86%

THERMAL EMITTANCE:

89%