



Stop the **leaks!** Reflect the **heat!**
Lower energy **bills!** Save **money!**



TECHNICAL DATA SHEET

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 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, **ALDOCOAT 386** 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:

ALDOCOAT 386 was specifically developed as a bright white protective top coat over a base coat of **ALDOCOAT 384** for spray polyurethane foam roofing, TPO and EPDM single ply membrane systems, modified bitumen and concrete. With excellent adhesion, **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-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.

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: 150% ± 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%