

ALDOCOAT 384BR POLYURETHANE

PRODUCT DESCRIPTION:

ALDOCOAT 384BR is a technologically advanced, high solids, single component, moisture cure polyurethane elastomer coating uniquely formulated for the protection of low slope roofing systems, including EPDM, TPO, PVC, modified bitumen and BUR surfaces. Once cured this liquid applied moisture-curing polymer provides a fire retardant, durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, **ALDOCOAT 384BR** provides greater adhesion and increased protection than similar coatings. This product also 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 than water based acrylic coatings.

RECOMMENDED USES:

ALDOCOAT 384BR is the base coat component of the FM Global tested and approved **ALDOCOAT Roof Restoration System** for EPDM, TPO, PVC, Smooth BUR and granulated modified bitumen systems. With excellent adhesion and fire retardancy, **ALDOCOAT 384BR** is top coated with **ALDOCOAT 395 Silicone** to complete this ideal low slope roof restoration system.

GENERAL SURFACE PREP AND APPLICATION INSTRUCTIONS:

ALDOCOAT 384BR may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Prior to product application, pressure all surfaces to remove all dirt and debris that may impede adhesion. Apply **ALDOCOAT 384BR** only to clean, dry, sound surfaces free of loose particles or other foreign matter. Successive and/or finish coats **MUST** be applied to the base or intermediate coats within 48 hours to insure proper adhesion. Apply **ALDOCOAT 384BR** at the minimum rate of 1.5 gallons per 100 sq. ft. per coat. Minimum dry mil thickness shall be 12.5 DFT for the base coat and 12.5 DFT for a top coat. Do not apply if ambient temperature falls below 40° 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. Avoid breathing vapor or mist. Refer to the SDS for more information.

TYPICAL PHYSICAL PROPERTIES

TOTAL SOLIDS:

79% by weight ASTM D1644
68% by volume ASTM D2697

WEIGHT PER GALLON:

9.0 lb per gallon ± 0.2

FLASH POINT: 80° 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: 1000 psi ± 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