

## ALDOCOAT 660 THERMOPLASTIC BUTYL

### PRODUCT DESCRIPTION:

**ALDOCOAT 660** is a thermoplastic copolymer butyl rubber elastomeric vapor retarder coating uniquely formulated for the prevention of vapor drive through spray polyurethane foam in cold storage and tank applications. The ALDO proprietary formulation incorporates elastomeric rubber and selected additives tested for compatibility. Once cured, this liquid applied polymer provides an exceptionally durable, seamless, flexible waterproofing membrane that resists cracking through excellent elongation properties. As a result, it allows for thermal shock (normal expansion and contraction) that may take place within most structures. **ALDOCOAT 660 Butyl** provides valuable UV protection and offers superb resistance to any moisture penetration.

### RECOMMENDED USES:

**ALDOCOAT 660 Butyl** is recommended as a protective vapor barrier coating over spray polyurethane foam in cold storage and specialized tank applications. This product has the ability to withstand ponding conditions (standing water beyond 48 hours) in low slope cold storage building applications. **ALDOCOAT 660** is an ideal choice over spray polyurethane foam versus breathable water based acrylic coating products. It also contains a strong rust inhibitor, and may be used as a primer coat over mildly rusted metal surfaces.

### GENERAL APPLICATION INSTRUCTIONS:

The suggested application process is conventional airless spray equipment. It is recommended that **ALDOCOAT 660** be sprayed in multiple coats applied in multidirectional passes (north-south/east-west) to insure uniform film build and to avoid pinholing. Surface or substrate must be pressure washed, thoroughly cleaned and completely dry prior to application. As a vapor barrier or retarder, **ALDOCOAT 660** is vapor sensitive. Any remaining moisture, including slight film not readily visible to the naked eye, may result in blistering of the coating shortly after application. SPF surface must also be free of loose particles or other foreign matter.

**ALDOCOAT 660 Butyl** may be applied by heavy nap roller (3/4" or 1" nap) or soft brushes on smaller applications or situations. When applying by roller, apply at a rate of 2 gallons per 100 square feet PER COAT. Backrolling of material may be necessary to prevent pinholes. Final cured dry film thickness must be free of voids, pinholes AND porosity of surface. To achieve optimum product performance, a minimum of 25 dry mils (DFT) are required. Do not apply if rainfall is imminent the same day as application.

### TYPICAL PHYSICAL PROPERTIES

#### TOTAL SOLIDS:

45% by weight ASTM D1644  
40% by volume ASTM D2697

#### WEIGHT PER GALLON:

7.7 lbs per gallon ± 0.2

#### FLASH POINT: 68° F

#### CLEAN UP: Xylene

#### SHELF LIFE: 12 months @ 40°- 90° F

#### COLOR: White, Gray or as specified

#### VISCOSITY: 2,500 ± 500 cP

#### ELONGATION: 900% ± 100% ASTM D412

#### RECOVERY: 100% ASTM D412

#### IMPACT RESISTANCE: Exceeds 160b in/lb. ASTM D-624

#### HARDNESS: 45 Shore A

#### TENSILE STRENGTH: 1000 ± 100 psi ASTM D-412

#### PERMEABILITY: <1.11 ng/s\*m<sup>2</sup>\*pa 0.181 perms ASTM E-96

#### SERVICE TEMPERATURE: -50° TO 200° F

#### CURE TIMES: DRY TO TOUCH: 4 Hours TACK FREE: 8 Hours RECOAT: 4-10 Hours

#### SOLAR REFLECTANCE: .87

#### THERMAL EMITTANCE: .87

#### EPA ENERGY STAR APPROVED

If a bright white surface is desired, **ALDOCOAT 400 Premium Acrylic** is suggested as a finish coat.

**ALDOCOAT 660 Butyl** is not a breather coating and is not recommended for use of roof substrates or systems that require a breather coating. Additionally, extreme ambient and/or substrate temperatures are to be avoided as blistering may take place.

**LIMITATIONS AND PRECAUTIONS:**

**WARNING: This product contains VM & P Naphtha and Xylene.** KEEP AWAY FROM HEAT, OPEN FLAME OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or mist. Approved (MESA/NIOSH) chemical respirator and protective clothing must be worn by applicator and personnel in vicinity of the application process. mechanical exhaust ventilation may be required in enclosed areas. Proper protective equipment is essential. Do not apply if ambient temp is below 50° F. For more information, refer to the SDS.

APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.

SOME SEPARATION MAY OCCUR DURING SHIPMENT AND STORAGE. THE COATING MUST BE THOROUGHLY POWER MIXED FOR 3 TO 5 MINUTES PRIOR TO USE. DO NOT THIN PRODUCT!