

Stop the **LEAKS!** Reflect the **HEAT!**
Lower energy **BILLS!** SAVE **MONEY!**



Technical Data Sheet

ALDOCOAT 660

BUTYL

PRODUCT DESCRIPTION:

ALDOCOAT 660 is a copolymer butyl rubber elastomeric vapor barrier coating uniquely formulated for the protection of metal, aged BUR, wood, concrete, spray polyurethane foam and other substrates. 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** provides valuable UV protection and offers superb resistance to any moisture penetration.

RECOMMENDED USES:

ALDOCOAT 660 is recommended as a protective vapor barrier coating to a wide variety of substrates, including metal roof decks, aged BUR surfaces, cap sheet and selected primed single ply systems. This product has the ability to withstand ponding conditions (standing water beyond 48 hours) in low slope situations. **ALDOCOAT 660** is also an ideal choice over spray polyurethane foam in specialized tank and cold storage applications where vapor drive is an issue. It also contains a strong rust inhibitor, eliminating the need for a primer coat over mildly rusted metal surfaces..

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 PRTECTIVE 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. Provide mechanical exhaust ventilation in enclosed areas. Positive pressure fresh air hose masks are required for interior applications.

GENERAL APPLICATION INSTRUCTIONS :

The suggested application process is AIRLESS SPRAY. It is recommended that **ALDOCOAT 660** be sprayed in multiple coats applied in multidirectional passes (northsouth/eastwest) 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. Surface must also be free of loose particles or other foreign matter.

TYPICAL PHYSICAL PROPERTIES:

SOLID CONTENT:

45% by weight
40% by volume

WEIGHT PER GALLON:

7.0 lbs. per gallon

FLASH POINT:

68° F

CLEAN UP:

Xylene or Mineral Spirits

SHELF LIFE:

12 months @ 40° -90° F

COLOR:

White

VISCOSITY:

2000-2500 cps Brookfield scale

ELONGATION:

900% ± 100% ASTM D412

ELASTIC RECOVERY:

100% ASTM D412

IMPACT RESISTANCE:

exceeds 160b in/lb. ASTM D-624

HARDNESS:

45 Shore A

TENSILE STRENGTH:

1000 ± 100 psi ASTM D412

PERMEANCE:

<1.11 g/s*m2*pa ASTM E96

VOC CONTENT:

517 grams/liter

SERVICE TEMPERATURE:

-50° TO 200°

SOLAR REFLECTANCE

80%

CURE TIMES:

DRY TO TOUCH: 4 Hours

TACK FREE: 8 Hours

RECOAT: 4-10 Hours

Use ALDOSEAL 1602 Butyl Seam Tape (see separate data sheet) over larger cracks and seams. Apply tape over crack or seam prior to application of **ALDOCOAT 660**. Apply one or two coats of **ALDOCOAT 660** over tape the same day. After base coat is applied to substrate, the second coat may be applied the same day, depending on ambient temperature, relative humidity, amount of direct sunlight on surface and facility or project conditions. Some substrates may require the use ALDOPRIME 720 Neoprene Primer to maximize the adhesion of **ALDOCOAT 660** Butyl to substrate. Contact our Technical Service Department to determine if primer is needed.

ALDOCOAT 660 butyl may be applied by heavy nap roller (1" or 1¼" 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.

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

ALDOCOAT 660 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.

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!

Freight Classification:

Paint-flammable liquid
UN 1263 (red label required)

Infotrac Emergency Number:

(800) 5355053