

AIM #1™

Urethane Industrial Membrane



Performance
Coatings & Sealants
Systems

DESCRIPTION

AIM #1 is a liquid applied urethane coating that forms a very tough, high performance barrier. It is used as a coating to protect and waterproof concrete gullies, docks and marinas, tile and concrete pipes, chemical safety dikes and wash-out basins. AIM #1 cures to a rubber-like finish that possesses excellent elasticity and will resist attack from the environment and from exposure to a wide variety of industrial chemicals.

OUTSTANDING FEATURES

- Forms a continuous membrane that resists penetration of a wide variety of chemicals
- Rapidly develops a high tensile strength and good elongation properties
- May be used on vertical, pitched, and horizontal surfaces
- Allows for movement of the substrate while maintaining excellent toughness
- Performs equally well as a coating, buried membrane, or below grade waterproofer
- Cures quickly; easy to apply
- May be combined with K-CATALYST to reinforce and add strength to surfaces

APPLICATION

All surfaces to be treated must be at least 5° F above dew point and

also clean, dry and free of all loose debris, oil, grease, and any other substance that would interfere with proper bond. A careful inspection of the surface should be made to detect any signs of damage or defects, and all repairs should be completed before application may proceed. Once preparation is completed, AIM #1 may be applied straight from the container after 3 minutes of low speed mechanical stirring. AIM #1 may be applied using a brush, roller, or airless spray technique at a wet film thickness of 30 mils. Andek recommends, in areas where reinforcement fabric is required, that Roofab (a specialty polyester fabric) be used. The fabric should be encapsulated between 2 coats of AIM #1 at a rate of 3-4 gallons per 100 square feet overall.

Application surface should be a minimum of 40°F and must be 5°F

above dew point. Sudden precipitation will not wash AIM #1 off of the surface when wet or newly applied but will produce a mottled, dull appearance that is not detrimental to overall performance. If a faster setting time is needed ANDEK ACCELERATOR may be used (see technical Data Sheet for ANDEK ACCELERATOR)

Equipment may be cleaned after use with xylene or toluene before AIM #1 begins to dry.

MAINTENANCE

Repair any damaged areas by following the instructions in the application section of this data sheet.

LIMITATIONS

Protect AIM #1 from direct sunlight. This product is a moisture curing urethane and is packaged in specially sealed air-tight

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SPECIFICATIONS	
Coating Type	Moisture-cure urethane
VOC	100 gms/liter
Pot Life	Not applicable (single component)
Shelf Life	2 years (unopened) from date of manufacture
Recommended Thickness	40 mils Dry Film Thickness (DFT)
Coverage	Approximately 30 to 40 square ft per gallon, depending upon substrate
Packaging	Available in 1 gallon and 5 gallon pails
Color	Black

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containers. If damaged, air and moisture may enter the container and cause premature curing. Cure time is 24 hours at 70°F (70% R.H.) as temperatures drop and at lower relative humidity set time is slower.

PRECAUTIONS

Read the container label warning and Safety Data Sheet (SDS) for important health and safety information prior to the use of this product.

Keep out of reach of children and pets.

For additional information, contact our Technical Department.

TECHNICAL DATA		
Moisture Vapor Transmission	8.4 gms/M ² /24 hours (0.7 perms)	ASTM E-96
Flashpoint	105°F	FTMS 141A (M4293)
Solids Content	90% (B.W.); 93% (B.V.)	ASTM D-1044
Flexibility at Low Temperature	180 degree bend @-10°F	ASTM C-711
Viscosity at 70°F	7,000 cps	ASTM D-446
Puncture Resistance	120 psi	ASTM D-154-79
Impact Resistance	4mm indent	ASTM D-1474
Tensile Strength	600 psi	ASTM D-412
Elongation	350%	ASTM D-412
Shore 'A' Hardness	55 degrees	ASTM D-2240
Average Dry Film Thickness	40 mils	ASTM D-1005
Crack Bridging Ability	Pass	ASTM C-1305
Drying Time @ 80°F (70% RH)	24 hours (to walk on)	Normal
Drying Time @ 80°F (70% RH)	3 hours (to walk on)	with Andek Accelerator
Total Cure @ 80°F (70% RH)	72 hours (to 55 degree Shore 'A')	Normal
Total Cure @ 80°F (70% RH)	24 hours (to 55 degree Shore 'A')	with Andek Accelerator

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