

# AIM #1™

## Urethane Industrial Membrane



### 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

### APPLICATION

Caution! Read this entire product data sheet before continuing.

All surfaces to be treated must be 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. 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 airtight 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.)

### PRECAUTIONS

Warning! This product is combustible. Avoid sparks and open flames. Use only in well ventilated areas. Contains solvent and reactive isocyanate groups. Do not get in eyes or on skin or clothing. Wear chemical splash goggles, coveralls and rubber gloves when handling this product. Inhalation should be

| SPECIFICATIONS        |                                |
|-----------------------|--------------------------------|
| Coating Type          | Moisture-cure urethane         |
| VOC                   | 100 gms/liter                  |
| Pot Life              | Single Component               |
| Shelf Life            | 12 months                      |
| Recommended Thickness | 40 mils dry film thickness     |
| Coverage              | 30 to 40 square feet/gallon    |
| Packaging             | 5 U.S. gallons (standard size) |
| Color                 | Black                          |

**AIM #1™****Urethane Industrial Membrane**PERFORMANCE  
COATINGS & SEALANT  
SYSTEMS

avoided. Persons with known respiratory allergies should avoid exposure to this product. For contact with skin or eyes, flush with clear water for 15 minutes. In case of inhalation, or in the event of eye contact, seek immediate medical attention.

Keep out of reach of children and pets.

For additional information, contact Andek's Technical Department.

**TECHNICAL DATA**

|  |                                      |                          |
|--|--------------------------------------|--------------------------|
| <b>Moisture Vapor Transmission</b>     | <b>0.7 perms</b>                     | <b>ASTM E-96</b>         |
| <b>Tensile Strength</b>                | <b>600 p.s.i.</b>                    | <b>ASTM D-412</b>        |
| <b>Elongation</b>                      | <b>350%</b>                          | <b>ASTM D-412</b>        |
| <b>Flexibility at Low Temperatures</b> | <b>180° bend @ -10°</b>              | <b>ASTM C-711</b>        |
| <b>Shore 'A' Hardness</b>              | <b>55°</b>                           | <b>ASTM D-2240</b>       |
| <b>Puncture Resistance</b>             | <b>120 p.s.i.</b>                    | <b>ASTM D-154-79</b>     |
| <b>Impact Flexibility</b>              | <b>300% (max. height)</b>            | <b>ASTM D-6905</b>       |
| <b>Abrasion Resistance</b>             | <b>1000gm (CS-17) 1.0mg</b>          | <b>ASTM D-4060</b>       |
| <b>Water Absorption</b>                | <b>Zero</b>                          | <b>ASTM D570-77</b>      |
| <b>Chemical Resistance</b>             | <b>See Separate Technical Report</b> |                          |
| <b>Solids Content</b>                  | <b>90%(B.W.); 93%(B.V.)</b>          | <b>ASTM D-1044</b>       |
| <b>Viscosity</b>                       | <b>8000 cps (#3 @ 5rpm)</b>          | <b>ASTM D-446</b>        |
| <b>Flashpoint</b>                      | <b>105°F</b>                         | <b>FTMS 141A (M4293)</b> |

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