



# ADVATHANE 2K CLEAR

TWO COMPONENT POLYURETHANE HIGH GLOSS UV RESISTANT COATING

## DESCRIPTION

ADVATHANE 2K CLEAR is a high solid content, two-part transparent solvent based polyurethane resin coating. It is specially formulated to provide a durable, UV resistant protective coating system.

## USES

- ▶ Clear UV Resistant coat to be used as a top coat on top of epoxy flooring systems or other non-uv flooring solutions.
- ▶ Floor protection against aggressive acids, alkalis and mineral oil, hydrocarbon, chlorides etc.
- ▶ Protective seal coat to parking decks, industrial floors, warehouse and medium / high traffic areas
- ▶ Protective sealer to Flakes finish, Quartz finish and Colored topcoat, terrazzo decorative concrete surfaces.

## FEATURES

- ▶ High Gloss
- ▶ Solvent Based
- ▶ High Chemical resistant
- ▶ Dustproof
- ▶ Transparent finish
- ▶ High Abrasion resistance
- ▶ Protection from UV light – prevent discoloration of epoxy coating finish
- ▶ Excellent adhesion to most type of substrates

## APPLICATION

### Surface Preparation:

Assure substrate to be coated is clean, dry, and in sound condition.

All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed.

Shot blast or grind areas to be coated.

Patch and level depressions and protrusions on the substrate.

### Mixing:

Mechanical mixing is required for ADVATHANE CLEAR. A low speed drill mixer is recommended. Stir component A & B individually first for about 30 seconds. Mix 1 Part component B slowly and add 4 Parts component A. Continue to mix for 2 – 3 minutes. Mix until the mixture is even colour. Use the mixture within 60 minutes.

### Method of Application

Apply the coating by brush or short hair roller in 2 to 3 coats, the 2nd and 3rd coat applied after the initial coat has achieve touch dry of a minimum 4-6 hours.

### Curing:

ADVATHANE 2K CLEAR is chemical curing. The curing time is depending on the ambient temperature, relative humidity and the quantity mixed and placed. Under normal circumstances initial curing will take place overnight. The coating will fully be cured in 7 days.

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## PACKAGING

Part A: 15 kg  
Part B: 5 kg

## COVERAGE

One set of ADVATHANE 2K CLEAR yields a coverage of approximate 10sqm/200microns/litre. Estimated consumption of ADVATHANE 2K CLEAR depends on the surface absorption, roughness, loss and wastage.

## SHELF LIFE

12 months unopened. Store at 5°C-30°C in a covered area (out of the sun). Material should be kept in a cool dry place prior to application. Do not allow to freeze.

## HEALTH & SAFETY

ADVATHANE 2K contains no hazardous substances; however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes, wash thoroughly and immediately with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS released on each AIM product.

## TECHNICAL SPECIFICATIONS

PROPERTIES	VALUES
Standards	ASTM D2240, ASTM D4541, ASTM D4060
Aspect	LIQUIDS
Color	CLEAR
Mixing ratio	Part-A: Part-B - 4 : 1
Dry Film Thickness	0.1mm/coat
Pot Life	1 hour @ 25 °C
Recoat	4-6 hours
Light foot traffic	12 hours
Full Cure	7 Days
Density	1.03 Kg/L
Abrasion resistance	<50mg/1000 cycles
Pull off adhesion	>3N/mm2

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.



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