



# ADVATHANE 2K

2K high performance crack bridging waterproof pu coating

## DESCRIPTION

ADVATHANE 2K is a high solid content, two-part solvent free high performance aliphatic polyurethane resin coating. It is specially formulated to provide a durable, UV resistant polyurethane crack bridging and waterproofing coating system.

## USES

- ▶ Waterproofing and crack bridging layer for car park deck
- ▶ Excellent impact and abrasion resistant
- ▶ Finishing coat in industrial, loading docks, commercial facilities
- ▶ Hospitals, clinics and laboratories

## FEATURES

- ▶ UV resistant and Non- yellowing
- ▶ Hygeinic
- ▶ Elastomeric
- ▶ Good Impact and abrsion resistant
- ▶ Durable product
- ▶ Excellent adhesion
- ▶ Easy application
- ▶ Flexible
- ▶ Waterproof

## 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.

### Priming:

The prepared surface to receive the ADVATHANE 2K if required should be treated with ADVAPOXY PRIMER.

### Mixing:

Mechanical mixing is required for ADVATHANE 2K. 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 3 – 5 minutes. Mix until the mixture is even colour and lump free. after mixing, allow the product to rest for two minutes to release the entrapped air. Use the mixture within 60 minutes.

### Method of Application:

Apply the coating by brush or short hair roller or spraying machine in 2 coats, the 2nd coat is applied after the initial coat has achieve touch dry of a minimum 4-6 hours. Each coat can be applied with a minimum thickness of 100 microns WFT (wet film thickness) to reach the desired total thickness Maximum applied thickness can reach up to 250 microns WFT per coat.

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ADVATHANE 2K can also be applied as a single intermediate coat or as a multi-coat sandwich system incorporating aggregates to give a slip-resistant finish. For anti-slip flooring, spread the selected size Quartz in the rate set by design while the coating is wet. Once the surface is dry (12-24 hours), remove excess silica sand and apply the second coat as required. For heavy traffic areas such as drive lanes, ramps, turn areas, or other areas subjected to high abrasive traffic, apply a third coat of ADVATHANE 2K. Subsequent coats of the product should be applied within a time frame of 24 hours.



## CURING:

ADVATHANE 2K 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.

## PACKAGING

Part A: 16 kg  
Part B: 4 kg

## 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.  
Approx. Coverage: 4-5m<sup>2</sup>/kg/250micron thickness

## 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
Mixing ratio	Part-A: Part-B - 4 : 1
Pot Life	1 hour @ 25 °C
Recoat	6-8 hours
Light foot traffic	12 hours
Full Cure	7 Days
Crack bridging	>2 mm
Abrasion resistance	<50 mg/1000 cycle
Pull off adhesion	>2 N/mm <sup>2</sup>
Impact resistance	No crack
Tensile	7-10 N/mm <sup>2</sup>

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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