

# ADVAPOXY 2000

Solvent Free Hygiene Epoxy

## DESCRIPTION

ADVAPOXY 2000 HYGIENE EPOXY is a high-build solvent-free two component epoxy coating system, specially formulated to be abrasion and chemical resistant. It can also be applied as a smooth coating, or anti-skid multi thickness epoxy flooring systems.

## USES

- ▶ Indoor car parks
- ▶ Warehouses
- ▶ Bridge Decks
- ▶ Service Stations
- ▶ Food Industry Floors
- ▶ Chemical Plants
- ▶ Industrial Floors
- ▶ Hospitals and Schools

## ADVANTAGES

- ▶ Waterproof
- ▶ Odorless
- ▶ High abrasion and slip resistant surface
- ▶ Suitable for hot climates
- ▶ Hygienic, anti-bacterial and fungus growth

## INSTRUCTION FOR USE

### SURFACE PREPARATION:

- ▶ All surfaces should be clean, dry, free from grease, laitance, oil or dust.
- ▶ Remove all loose material.
- ▶ Moisture content should not exceed 5%.
- ▶ New concrete should be at least 28 days old.
- ▶ Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine.
- ▶ Possible surface irregularities need to be smoothed.
- ▶ If the substrate is nonporous or surface activated, using of primer is not normally required (only for roller coating system, where 400 microns are required).
- ▶ If the substrate is porous, it is recommended to apply one coat of ADVAPOXY PRIMER.
- ▶ For thick application, the primer usage is a must.

### PRODUCT PREPARATION:

- ▶ Mix the two parts for 2 – 3 minutes by an electric mixer with low rotation speed (<300 rpm).
- ▶ The epoxy must be well mixed to ensure proper chemical reaction.
- ▶ After mixing, apply immediately.

### PRODUCT APPLICATION:

ADVAPOXY 2000 – HYGIENE EPOXY is applied using a brush, a roller an airless sprayer or a notched trowel in two coats. Apply the required film thickness. It is recommended to achieve two coats within 24 hours, to have the best results.



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For anti-slip surfaces, fine sand must be broadcasted on the second coat while it is still wet. The surface is allowed to cure for at least 24 hours and apply the top coat with a medium texture roller. Care should be taken to ensure that continuous film is achieved and all grains are completely covered and coated by the epoxy mixture.

Note: Don't apply ADVAPOXY 2000 – HYGIENE EPOXY if the temperature of the surface is below 5°C or over 40°C.



## CONSUMPTION & COVERAGE

The coverage rates are given for guidance only. Actual rates basically depend on substrate porosity and roughness.

COATING SYSTEM	DFT (micron)	PRODUCT	CONSUMPTION
Primer (optional for roller system)	125 (theoretically)	Advapoxy 1500	0.150kg/m <sup>2</sup> (The concrete surface greatly affects coverage rate)
Roller Coat/Sealer	200/coat	Advapoxy 1500	0.35kg/m <sup>2</sup> per coat
Anti-slip coat (fine broadcast)	750 - 1500	Advapoxy 1500 – 1st coat Silica Sand (0.75-1.5mm) – broadcasted Advapoxy 1500 – 2nd coat	0.35kg 1.5kg 0.33kg/m <sup>2</sup> @ 800 mic
Anti-slip coat	1500 - 2000	Advapoxy 1500 – 1st coat Silica Sand (1.5 - 2mm) – broadcasted Advapoxy 1500 – 2nd coat	0.35kg 1.5kg 0.45kg/m <sup>2</sup> @ 1000 mic

## HEALTH & SAFETY

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

## CLEANING

Tools use for ADVAPOXY 2000 – HYGIENE EPOXY should be cleaned with dry cloth immediately before settling of the product otherwise use Thinner # 1.

## PACKING

ADVAPOXY 2000 – HYGIENE EPOXY is supplied in 3K;

- ▶ Part A (Base) – 15liters
- ▶ Part B (Hardener) – 2.9Liters
- ▶ Part C (Filler) – 11.5Liters

## STORAGE

One year after manufacturing date in its original packing non open and in dry cool area.

## TECHNICAL SPECIFICATIONS

Form	Liquid
Color	Grey, Yellow, Red and others
Solid Content	100%
Mixed Density (ASTM D1475)	1.65 ± 0.02kg/liter @ 25°C
Pot Life (ASTM D 2471)	45 minutes @ 25°C
Touch Dry Time (ASTM D 2471)	12 hours @ 25°C
Overcoat Time	12 - 36 hours @ 25°C
Full Cure Time (ASTM D 1640)	7 days @ 25°C
Adhesion to concrete (ASTM D 4541)	>25 N/mm <sup>2</sup>
Shore D Hardness (ASTM D 2240)	≥85
Tensile Strength (ASTM D 2370)	33 ± 1 N/mm <sup>2</sup>
Flexural Strength	52 ± 1 N/mm <sup>2</sup>
Abrasion Resistance (ASTM D 4060)	65mg/1000 cycles (C10 wheels)

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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