

FLOORSPORTS 1K EPOXY HYBRID
Updated Jun'23

FLOORSPORTS 1K EPOXY HYBRID is an Epoxy Hybrid coloured 1-pack water-based floor coating, designed for multi-purpose sports flooring, bicycle and pedestrian lanes in parks and recreational areas, internal and external floor. Varying thickness can be achieved from 0.20mm to 1.0mm by selected aggregate, by roll and trowel application.

Product Features:

- Excellent resistance to UV radiation.
- Excellent abrasion resistance & great durability.
- Excellent breathability performance
- Good aesthetic finish and easy application
- Filled with quartz for varying thickness.

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Interior & Exterior	Low Sheen	Concrete Floor Asphalt Surface	5 Litres, 20 litres

Composition

Pigment	: Mainly Titanium Dioxide, Mineral Extender
Binder	: Epoxy Hybrid
Thinner	: Water

Technical Data

Drying Time	: Touch Dry	: 30 minutes (Dependent on temperature, humidity & thickness)
	: Hard Dry	: 2 hours (Dependent on temperature, humidity & thickness)
Recoating Time	: minimum 6-8 hours (Dependent on temperature, humidity and thickness)	
Specific Gravity	: 1.20 kg/L	
No. of Coats	: 2-3 coats	
Theoretical Coverage*	: <u>Brush / Roller Application</u> 0.10 – 0.20kg/m ² per coat	
	: <u>Trowel Application</u> 1.0 kg/m ² (for dry film thickness of 350 microns)	
	*Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance	
Volume Solid	: ~ 40%	
Shore D Hardness	: 55	
Abrasion Resistant	: 100mg	
Tensile Strength	: 8.40 N/mm ²	
Elongation	: 12%	
Tensile Adhesion	: > 1.50 N/mm ²	
Vapor Permeability	: 3.02g/h.m ²	
Shelf life	: Up to 24 months in tight sealed container	

Application Method

Roller / trowel	: No dilution is required for roll and trowel application.
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Recommended Coating System
(I) CONCRETE SURFACE
Unfilled System

Primer	: High Performance Primer	: 1 Coat
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 2-3 Coats

Anti-Slip (Fine)

Primer	: High Performance Primer	: 1 coat
Intermediate	: FLOORSPORTS 1K EPOXY HYBRID with Quartz scatter 103 (20%)	: 1 coat
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 1-2 coats

Anti-Slip (Coarse)

Primer	: High Performance Primer	: 1 coat
Intermediate	: FLOORSPORTS 1K EPOXY HYBRID with Quartz Scatter 36 (ratio = 1:1)	: 1 coat
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 1-2 coats

Mastic System

Primer	: FLOORSPORTS MASTIC (20% Dilution with Water)	: 1 coat
Intermediate	: FLOORSPORTS MASTIC	: 1-2 coats (2-3mm)
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 2 coats

(II) ASPHALT SURFACE

Primer	: FLOORSPORTS MASTIC (20% Dilution with Water)	: 1 coat
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 2 coats

Primer	: FLOORSPORTS MASTIC (20% Dilution with Water)	: 1 coat
Intermediate	: FLOORSPORTS MASTIC	: 1-2 coats (2-3mm)
Finishing	: FLOORSPORTS 1K EPOXY HYBRID	: 2 coats

Surface Preparation

Surfaces should be clean, dry and free from oil, grease and contaminants before painting. For previously painted surfaces, remove all unstable paint film, loose chalk, dust and foreign matter. Repair any surface defects, clean off and dry. Avoid painting on the substrate with high moisture content. Avoid painting when the environment relative humidity exceeds 85%, or when the surface to be painted is less than 3°C above the dew point.

Kindly refer to its respective Method Statement for further information.

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.
We reserve the right to alter the given without prior notice.