HAPPY WALL PAINTS
COLORING THE IMPOSSIBLE

TECHNICAL DATASHEET

EPOXY TOPCOAT SOLVENT FREE

PRODUCT DESCRIPTION

Solvent-free epoxy is a two-component heavy duty floor coating. It provides a professional finish which is resistant to wear, abrasion and chemicals. Ideal for aggressive environments and heavy traffic areas.

PRODUCT BENEFITS

1- Excellent hardness
2- Good thermal stability
3- Excellent chemical and mechanical resistance
4- Excellent resistance to heavy traffic
5- Good water spot and blush resistance
6- High thickness could be achieved

RECOMMENDED USES

For interior use, on concrete and metal surfaces in areas where chemical and mechanical resistance are required such as pavements, parking areas, heavy traffic areas, warehouses, industrial plants, petroleum refineries and water purification plants.
Epoxy SF is a thixotropic coating designed to be used where high thickness and excellent performance are required.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Technology	Epoxy
Physical State	Viscous Liquid
Appearance	Comp. A thixotropic liquid Comp. B Amber Liquid Two Components- require mixing Mixing ratio: 2:1 Base/catalyst
Pot Life	4-6 hours
Color	cf. catalogue

P.O.Box: 85 Zouk Mikael / Lebanon I Tel: +961 9 218 645 - +961 9 218 656 I Fax: +961 9 215 231 I Mobile +961 3 302 216
Email: info@happywallpaints.com I Website: www.amazonapaints.com I V.A.T Registration 72572- 601

Component A

Specific Gravity, ISO 2811	1.5 g/cm^3
Viscosity, ISO 2884	7- 10 poises

Component A+B

Drying Time, ASTM D 5895	1-2 Hours to touch.
Wet Film Thickness, ISO 2808	200-300 µm per coat
Dry Film Thickness, ISO 2808	130-200 µm per coat
Recoat Time	6 hours
Coverage	50-60 m^2 per pail
Sag Resistance, ASTM D 3730	Excellent
Leveling, ASTM D 2801	Excellent
Scratching Resistance, ASTM D3002, D 3359	Excellent
Hardness	Excellent

Chemical Properties

Component A

% Solids by Weight	75±2%
% Solids by Volume	65±2%
Total VOC	20%

Component B

Solids by Weight	40 ±2 %
Solids by Volume	38 ±2 %

SURFACE PREPARATION

Surfaces should be solid, clean and dry, free from oil, grease, salt, dust and other contaminants.
All deteriorated previous coatings should be removed.
Steel Surfaces to be immersed should be sand blasted to give a rough profile grading.

Bare concrete surfaces must be pre-treated with an acid-etching solution to neutralize the surface.

Holes and cracks can be filled and repaired with Epoxy Putty.

PRIMING

Steel surfaces: Prime with Zinc Rich PRIMER with Hardener Epoxy Zinc Rich.

Keep the mixing of Components A and B react for 10- 15 min before thinning.

Concrete surfaces: Prime with EPOXY SB PRIMER.
Top coat should be applied after complete drying or else the surface must be sanded and roughened.

MIXING/ APPLYING

Mix phase (A) with phase (B) with a mixing ratio of 2:1 base/catalyst
Keep the mixing react about 10- 15 min before application.
Apply one coat on the substrate. Recoat it if necessary after 6-7 hours.
Tools: brush, Roller, Spray
Clean tools and equipment with solvent immediately after use.

PACKING

In cylindrical tin containers of the following capacities:
- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1Pail (5U.S.G.) = 20L

Each container is supplied with its appropriate pack of hardener.

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.
All details about working with our products should be adapted to prevailing local conditions and materials used.

P.O.Box: 85 Zouk Mikael / Lebanon I Tel: +961 9 218 645 - +961 9 218 656 I Fax: +961 9 215 231 I Mobile +961 3 302 216
Email: info@happywallpaints.com I Website: www.amazonapaints.com I V.A.T Registration 72572- 601