



Smart Epoxy BE4 Finish

SPBE4

4 Litre Base and 1Litre Hardener

Description

SMART EPOXY BE4 FINISH is a two-pack amine-adduct cured epoxy finish for use on steel and cement surfaces where chemical, oil and abrasion resistant coating is required. If it is to be applied over steel, it has to be used in combination with the appropriate primers as recommended below. If it is to be applied over concrete the surface should be acid-treated prior to application.

Usage

For application on heavy structural steelwork & flooring.

Composition

Pigment	:	Lightfast non-lead pigments and mineral extenders
Binder	:	Epoxy resin.
Volume Solid	:	51 +/- 3% by volume, others colours will vary.
Diluent	:	Thinner

Properties

Finishing	:	Gloss finish
Colour	:	Refer to color card.
Theoretical Coverage	:	10.2m ² / Litre (for dry film thickness of 50 microns; actual coverage dependent on substrate condition.)
		6.4m ² / Litre (for dry film thickness of 80 microns; actual coverage dependent on substrate condition.)
Drying Time	:	Dry to touch: 2-3 hours Dry to overcoat: 16 hours Curing time: 6-7 days
Pot Life	:	6-8 hours after mixing
Recoating Interval	:	Minimum 16 hours.

Application Method

Brush	:	For normal use thinning is not usually necessary. Thin with max 5% with thinner.
Roller	:	For normal use thinning is not usually necessary. Thin with max 5% with thinner.
Conventional Air Spray	:	Thin with max 10% by thinner.
Airless Spray	:	Ready for use. Thinning is not usually necessary.

Surface Preparation

Concrete

Surface must be treated with about 5% sulphuric acid solution until effervescence has stopped. It should be washed thoroughly with clean water and allow to dry completely before coating with Smart Epoxy BE4 Finish.

Recommended no. of coats: 1 – 3 coats

Recommended film thickness per coat: 50 – 80 microns for dry film; 100 – 160 microns for wet film

Metal

Surface to be painted must be dry and free from grease, dirt and other contaminants. Steel surfaces should be sanded or wire brushed to remove mill scales and rust. Abrasive blast cleaning to minimum Sa 2 ½ ISO 8501-1:1998 or other equivalent international standard. Surface must be free from any abrasive residues, dirt, oil and grease and other contaminants prior to painting.

Previously Painted

Remove all loose, defective and unstable paint film. Rusted and defective area should be sanded. Sound paint film should also be sanded to provide anchorage for new coating.

Painting Guide

Surface	Primer	Finish (1 - 3 coats)
Concrete (Flooring)	Smart Epoxy Primer	Smart Epoxy BE4 Finish
Metal	Smart Epoxy Primer	Smart Epoxy BE4 Finish

Company Identification

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