



Smart Epoxy BE5 Finish

SPBE5

4.15 Litre Base and 0.85 Litre Hardener



Description

SMART EPOXY BE5 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: 6 hours Curing time: 6-7 days
Pot Life	:	6-8 hours after mixing
Recoating Interval	:	Minimum 6 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 Thin with max 10 – 15% by volume.

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: 2 – 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.

(Note: Drying time will become remarkably delayed under low temperature. Overcoating the previous coat of Smart BE4 Finish should be done within 6 ~ 7 days but preferably as soon as possible after it has been allowed 16 hours drying or else, it is desirable to roughen it by dry sanding with sandpaper before it is overcoated. This is to ensure proper intercoat adhesion. Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating. When chalking occurs, chalks should be removed by water washing. Allow the surface to dry thoroughly prior to overcoating.)

Painting Guide

Surface	Primer	Finish (2 - 3 coats)
Concrete (Flooring)	Primer Clear	Smart Epoxy BE5 Finish
Metal	-	Smart Epoxy BE5 Finish

Company Identification

Manufacturer : Smart Paint Manufacturing Sdn. Bhd.
 No 9 & 11, Jalan Indah Gemilang 5, Taman Perindustrian Gemilang,
 81800 Ulu Tiram, Johor, Malaysia

Telephone No. : +607-863 9855 (Hunting Line) Fax No. : +607-861 5055

Email : info@smart-paints.com