



High Build Epoxy Paint Finishing

DATA SHEET



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Description:

Panda High Build Epoxy Paint is a protective finish for painting steel structures and concrete surfaces. It is a two-component system.

Uses:

used for application on surfaces of pharmaceutical industries, hospitals, plants, chemical industries, Refineries, pipelines and laboratories.

Chemical Resistance:

High Build Epoxy Coatings are resistant to acids, alkalis, sea water, sewage water and detergents etc.

Adhesion:

Best adhesion is obtained on properly prepared surfaces. Steel should be blast cleaned, concrete can be blast cleaned or wire brushed.

Technical Data:

Type:	Two pack.
Mixing Ratio:	Component A : 3 parts by volume Component B : 1 part by volume
Viscosity of Mixed Component:	3.5 + 0.5 Poises Min. at 25°C.
Pot Life of Mixed Components:	3 to 4 hours at 25c.
Drying Time:	a) Surface dry : 2 – 3 Hours b) Tack Free : 6 – 8 Hours c) Hard Dry : 18 – 24 Hours
Complete Curing Of Film:	It takes approximately 96 hours to obtain completely cured system after application of final coat, however we recommend for safety purposes, a period of 7 days from the date of application before the surface is exposed to specified materials.
Gloss:	Semi Glossy.
Average Spreading Rate:	3 – 4 Sq. Meter per liter per coat.
Dry Film Thickness:	125 Microns approximately.

Flexibility:	Very flexible and tenacious film.
Surface Preparation:	This material is essentially for application on Primed Epoxy or sand blasted, clean surface free of rust, dust, greases and mill scales etc. Immediately after sand blasting, the material is to be applied. Concrete surface must be cleaned and sound if any cracks, they are to be filled and allow to dry, should not be damp, all foreign particles and disintegrated material should be carefully removed.
Mixing:	Use specified volumetric ratio Epoxy high build finishing paint and Hardener and mix thoroughly for 3 to 4 minutes with paddle on low-speed drill. Mix only that quantity of Epoxy you can use in specified period. Thin down the paint to spraying or brushing consistency by Panda Epoxy Thinner.
Application:	To obtain the required film thickness and smooth film of the paint, the paint should be applied by brush, roller or spray. We recommend minimum application of two coats; to achieve maximum adhesion between two successive coats, the coat surface of the first coat must be roughened to ensure proper inter coat adhesion. This product also confirms to B.S.5493.
Recoat ability:	After 18 hours and within 72 hours preferably.
Coats Recommended:	2 to 3 coats on Epoxy Primer.
Limitations:	Mix only that amount of Epoxy you can use within the specified time.
Caution:	Proper ventilation is required at the time of application.
Shelf Life:	Six months when stored properly in original sealed container.
Packing:	Epoxy High Build available in 4- and 20-liter unit.