

## Technical Data Sheet

# Indopoxy 5070HB

## Epoxy High Performance High Build Finish

### Product Description

Two component EPOXY based Polyimide cured chemical resistance, high build, high performance intermediate or finish with excellent chemical and abrasion resistance.

### Recommended Use

Recommended to use as part of a high performance coating system to provide an anti-corrosive barrier in areas where aggressive corrosion conditions prevail.

Indopoxy 5070HB is can be widely used in both new construction and industrial maintenance on offshore structures, chemical plants, power stations and pulp and paper plants on both steel and concrete.

### Physical Data

Colour	: Most IS/ RAL/ Custom Shades
Finish	: Semi Glossy (30-50GU at 60° angle)
Soild by Volume	: 62 ± 2%
Supply Weight (Kg/ Ltr)	: 1.45±0.05
Flash Point	: 26° C
Dry Heat Resistance	: Intermittent : 120°C, Continuous: 100°C
Shelf Life	: 12 months

### Film Thickness

#### Recommended film thickness per coat

Dry Film Thickness	: 80-120µ in single coat
Wet Film Thickness	: 130-190µ in single coat
Therotical Coverage Rate	: 7.50 sq.mt / lit at recommended DFT of 80µ

### Surface Preparation

All surfaces to be coated should be clean, absolutely dry and oil or moisture free before painting application. Oil and grease should be removed by solvent cleaning.

**Primed Surface:** The primed surface should be dry and free from all contamination and Indopoxy 5070 should be applied within the overcoating intervals specified in primer TDS. Area of damaged primer or rework etc should be prepared as per specified standards, either by power tool cleaning or other means.

**Maintenance:** Remove oil and grease, salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (ISO 8501-1:2007) (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007). A patch primer should be applied before application of Indopoxy 5070 for desired performance of the product.

**Concrete:** Indopoxy 5070 is suitable to apply over concrete surfaces. Concrete should be cured for a minimum of 30 days prior to coating. The moisture content of the concrete should be below 5%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitance. Priming should be carried out using Indopoxy 5070HB or Indopoxy 5070 at low viscosity to fill pores surface before final coating.

## Application Data

Application Method	: Conventional Spray/ Airless Spray/Brush/ Roller
Mixing Ratio	: 4 Part (Base) : 1 Part (Hardener)
Pot Life	: Four Hours at 30°C
Thinner and Cleaner	: Indopoxy Epoxy Thinner (IK.1501)
Airless Nozzle Orifice	: 0.45 - 0.58mm
Nozzle Pressure	: 176 kg/cm <sup>2</sup> or 2500 psi

**Working Precautions:** Material should not be allowed to remain in pipeline, hoses, gun or spray equipment. Thoroughly flush all equipment with IK.1702 thinner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages, the work should recommences with freshly mixed units.

**Maintenance:** Clean all equipment immediately after use with IK.1702 thinner. It is good working practice to periodically flush out spray equipment during the course of the working day. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

## Drying Characteristics

Surface Dry	: 90 mins
Touch Dry (to Handle)	: 3 Hours
Hard Dry	: 16 Hours
Overcoating Interval	: Minimum 16 Hours, Maximum 7 Days

Drying and curing times are determined at 30°C under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

## Compatibility

Previous Coating	: Epoxy, Epoxy MIO, Epoxy Zinc Rich, Inorganic Zinc Silicates
Subsequent Coating	: Epoxy, Polyurethanes, Alkyds, Modified Alkyds, Acrylics

## Storage

This is solvent based coating and the containers should be kept in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed.

## Caution

This product is for professional use only. The paint applicators should be trained, experienced and have the capability and equipment to mix and apply the coatings correctly as instructed. Applicators should use appropriate protection equipment when using this product.

This is solvent based product and should be use under well ventilated conditions. Do not inhale spray mist. Skin contact should be avoided. In case of spillage on the skin, it should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water.

### Limitation of Liability

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. Our products are often used under conditions beyond INDOKOTE's control. INDOKOTE cannot guarantee anything but the quality of the product itself. No liabilities can be derived from this fact for individual cases. This issue replaces all previous versions – Printed in India.

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## INDÖKÖTE INDUSTRIES PRIVATE LIMITED

**Corporate Office:** Level 18, One Horizon Center, Golf Course Road, DLF Phase 5, Gurgaon 122002 Haryana INDIA  
**Phone:** +91 124 430 1776, **Fax:** +91 124 668 7778, **Email:** info@indokote.in, **Web:** www.indokote.in