

## Technical Data Sheet

# Indoprotect 3000

## Acrylated Polymer based Protective Coating

### Product Description

A single component, low solid, very fast curing, acrylated polymer based single coat finish. Black and other solid shades are pigmented with zinc phosphate to provide anti corrosive performance. This specialized coating is also available in coloured transparent shades to provide a decorative finish in a single coat.

### Recommended Use

Indoprotect 3000 is specialized developed coating to provide better durability and protection to casting and forging components, scaffoldings and other heavy machined components for storage or transportation purpose. This product is quick air drying but free from metals like Lead, Cobalt, Cadmium etc. Available in different gloss levels and finishes.

### Physical Data

Colour	: Transparent and Limited Shades
Finish	: Matt/ Semi Glossy/ Glossy
Soild by Volume	: 35 ± 3%
Supply Weight (Kg/ Ltr)	: 1.00±0.15 (Varies per Gloss level)
Flash Point	: minimum 25° C
Shelf Life	: 12 months

### Film Thickness

#### Recommended film thickness per coat

Dry Film Thickness	: 20-30µ in single coat
Wet Film Thickness	: 55-85µ in single coat
Therotical Coverage Rate	: 14.00 sq.mt / lit at recommended DFT of 25µ

### 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.

**Steel:** Abrasive blast clean to a minimum of Sa2½ (ISO 8501-1:2007). Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner. A surface profile of 30-40 microns is recommended.

**Stainless Steel:** Dirt and oils should be removed by solvent cleaning or other suitable cleaner followed by a thorough water rinsing. Sand or abrasive sweep blast to a standard similar to ISO 8501-1:2007 Sa1 to create a surface profile.

**Primed Surface:** The primed surface should be dry and free from all contamination and Indoprotect 3000 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.

## Application Data

Application Method	: Conventional Spray, Airless Spray, Dipping
Mixing Ratio	: One Component Coating
Pot Life	: NA
Thinner and Cleaner	: Indokote Thinner (IK.1800 ONLY)
Airless Nozzle Orifice	: 0.28 - 0.33mm
Nozzle Pressure	: 155 kg/cm <sup>2</sup> or 2200 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 recommence 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	: 5 mins
Touch Dry (to Handle)	: 15 mins
Hard Dry	: 8 Hours
Overcoating Interval	: Minimum 15 mins

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	: None
Subsequent Coating	: Acrylated, Modified Alkyd, Polyurethane

## Product Features

The gloss level is subject to application method, dry film thickness and environmental conditions within a controlled OEM painting facility. Gloss level achieved may differ if there is excessive variation in cure temperature and application thickness. The best results in terms of gloss and appearance will always be obtained by air spray application.

This product must only be thinned using the recommended thinner. The use of alternative thinners, might contains alcohols, can severely affect the curing mechanism of the coating. Indoprotect3000 should be applied at least 3°C temperatures above dew point. During winters or at low temperature areas, condensation occurring during or immediately after application may result in a matt finish and an inferior film.

Anti corrosive products based on acrylated polymers are most suitable for the protection of light industrial steelwork in internal dry environments or on exposed only in low corrosivity environments corresponding to ISO12944 C1, C2 only. Indoprotect3000 transparent is primarily designed to provide protection similar to shop primer and should not be exposed to high atmospheric environment.

## 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.

## Precaution

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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