

Technical Data Sheet

Indothane 280

Polyurethane Zinc Phosphate Rapid Drying Primer

Product Description

Indothane 280 is a Two component isocyanate cured fast drying anti corrosive general industrial primer containing Zinc Phosphate as corrosion inhibiting pigments.

Recommended Use

It is recommended as primer coat on M.S. surface in diverse areas of heavy machinery, agriculture implements, MS, CR and structural steel etc. It is an ideal primer where fast turnaround of equipment is desired and is recommended for material which are exposed to medium corrosive environment. It can be overcoated within one hour of application, hence making it ideal to be use in variety of applications.

Physical Data

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| Colour | : Grey, White |
| Finish | : Matt |
| Soild by Volume | : 47 ± 2% |
| Supply Weight (Kg/ Ltr) | : 1.25±0.05 |
| Flash Point | : 29° C |
| Dry Heat Resistance | : Intermittent : 100°C, Continuous: 80°C |
| Shelf Life | : 12 months |

Film Thickness

Recommended film thickness per coat

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|--------------------------|---|
| Dry Film Thickness | : 30-50µ in single coat |
| Wet Film Thickness | : 65-100µ in single coat |
| Therotical Coverage Rate | : 14.00 sq.mt / lit at recommended DFT of 35µ |

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.

Repair Cases: Corroded areas should be power tool cleaned to St3 or blast cleaned to Sa2 or better. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

New steel: Abrasive blasting to Sa 2½ (ISO 8501-1:2007). For temporary protection, if required, use a suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting.

Maintenance: Remove oil and grease etc. thoroughly with suitable detergent. Remove 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). Improved surface preparation will improve the performance of the product.

Stainless steel: To be abrasive blast cleaned to a uniform, sharp, dense profile (ISO Comparator Medium (G), corresponding to Rz minimum 50 micron. Any salts, grease, oil, etc. to be removed before abrasive blasting is commenced.

Application Data

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| Application Method | : Spray/ Airless Spray/Brush/ Roller |
| Mixing Ratio | : 9 Part (Base) : 1 Part (Hardener) |
| Pot Life | : Three Hours at 30°C |
| Thinner and Cleaner | : Indokote PU Thinner (IK.1701/ IK.1705) |
| Airless Nozzle Orifice | : 0.35 - 0.45mm |
| Nozzle Pressure | : 155 kg/cm ² 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 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

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| Surface Dry | : 15 mins |
| Touch Dry (to Handle) | : 60 mins |
| Hard Dry | : 16 Hours |
| Overcoating Interval | : Minimum 15 min (wet-on-wet Application compliant) |

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

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| Previous Coating | : Polyurethane, Epoxy |
| Subsequent Coating | : Polyurethanes, 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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