

Technical Data Sheet

Indopoxy 710ZR

Epoxy High Performance Zinc Rich Primer

Product Description

Two component high solid, metallic zinc rich epoxy primer to provide excellent corrosion resistance as single coat or as high performance coating system. It contains 90% zinc in dry film by weight. Highly suitable for carbon steel, repair of inorganic zinc silicate coating and damaged galvanised steel substrates.

Recommended Use

Indopoxy 710ZR is recommended as a high performance primer to give maximum protection as part of any anti-corrosive coating system for aggressive environments such as offshore environments, refineries, power plants, bridges, buildings, mining equipment etc. Indopoxy 710ZR showcase superior performance in adhesion and cathodic protection as compared to other zinc rich epoxy coatings.

Physical Data

Colour	: Grey
Finish	: Matt
Soild by Volume	: 60 ± 3%
Supply Weight (Kg/ Ltr)	: 2.80±0.05
Flash Point	: 29° C
Dry Heat Resistance	: Intermittent : 180°C, Continuous: 130°C
Shelf Life	: 12 months

Film Thickness

Recommended film thickness per coat

Dry Film Thickness	: 50-75µ in single coat
Wet Film Thickness	: 85-125µ in single coat
Therotical Coverage Rate	: 10 sq.mt / lit at recommended DFT of 60µ

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.

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.

Shop Primed: Indopoxy 710ZR is suitable for application to steelwork freshly coated with zinc silicate shop primers ONLY. If the zinc silicate shop primer shows extensive or widely scattered breakdown, or excessive zinc corrosion, overall sweep blasting is a must. Other than zinc silicate shop primed surfaces are not suitable for overcoating and will require complete removal by abrasive blast cleaning.

Application Data

Application Method	: Airless Spray/ Spray/ Brush/ Roller
Mixing Ratio	: 3 Part (Base) : 1 Part (Hardener)
Pot Life	: Six Hours at 30°C
Thinner and Cleaner	: Indopoxy Epoxy Thinner (IK.1501)
Airless Nozzle Orifice	: 0.43 - 0.53mm
Nozzle Pressure	: 176 kg/cm ² 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 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	: 25 mins
Touch Dry (to Handle)	: 1.5 Hours
Hard Dry	: 8 Hours
Overcoating Interval	: Minimum 1.5 Hours

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	: Inorganic Zinc Silicates Shop Primers
Subsequent Coating	: Epoxy, Epoxy MIO, Epoxy Mastics, Polyurethanes

Product Features

To ensure good anti-corrosive performance, minimum 40 microns of dry film thickness of Indopoxy 710ZR is needed. Indopoxy 710ZR must be applied compatible with the blast profile achieved during surface preparation. Low film thickness should not be applied over coarse blast profiles.

Over application should also be avoided which may result in cohesive film failure with subsequent high builds, and to avoid dry spray which can lead to pinholing of subsequent coats and slow curing.

Surface temperature must always be a minimum 3°C above dew point and relative humidity be less than 85%. Indopoxy 710ZR is an excellent choice for the localized repair of damaged inorganic zinc primer as well.

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.

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