INDöKöTE
INDUSTRIAL COATINGS BY NIPPON PAINT

NIPPON PAINT

Technical Data sheet

Indopoxy 740 ZR

Product Description

740ZR is a two component polyamide cured high build zinc rich epoxy primer. It provides very good corrosion protection as part of anti-corrosion coating system. It provides a tough coating with long term protection. It has excellent barrier action for steel structures especially exposed to high corrosive environments.

Recommended Use

740ZR is recommended as undercoat on Steel Structures, Equipments, Pipe Lines, Vessels, Machinaries, Storage Tanks etc in Infrastructure projects, Refinaries, Power Plants, transmission lines etc. Highly recommended as a primer for coating systems where extended durability is required.

Physical Properties

Composition : Epoxy Resin cured with polyamide and pigmented with Zinc Dust

Volume Solids	: 55 ± 2%	**Temperature Resistance :**	
Mixing Ratio: Base: catalys	: 4:1 (ByV/V)	Continuous	: 100^0 C
Pot Life:	: Min. 3-5 Hours	Intermittent	: 120^0 C
Application	: Flow/Airless spray/Convetinal spray		
Recommended DFT	: 40-60 µ's per coat	**Flexibility**	: Moderate
Recommended WFT	: 73 - 109 µ's per coat	**Abrasion Resistance**	: Excellent
Theoretical Spreading Rate	: 9.16 - 13.75 m^2/ ltr	**Colour**	: Grey
Drying Time :		**Finish**	: Matt
Surface Dry	: Max. 20 Min. @ 30^0C	**Packing** .	: 25 Ltrs combi
Tack Free	: Max. 3 hours @30^0C	**Thinner**	: Thinner IK-1501
Hard dry	: 10-12 Hours@30^0C	**Chemic resistanace:**	
Overcoating Interval :		**Acid & Alkali**	: Very good with Intermediate & top Coat
MIN.	: 10 - 12 Hours	**Oil resistance**	: Very good with Intermediate & top Coat
MAX.	: 30 days	**Solvent Resistance**	: Very good with Intermediate & top Coat

The given drying data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness,ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc

Storage Life : Upto 12 months when kept under sealed and controlled condition.

Surface Preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. Damaged Area Damage area should be prepared with abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007). When abrasive blasting is not possible, mechanical cleaning to St 3 (ISO 8501-1:2007) is acceptable.

Appliaction Details

Stir components A and B separately and then mix the base and Hardener as per recomende mixing ratio. Stir well to homogeneous after mixing base and hardener and allow it to mature for 10-15 minutes stir again before use and during application. For **conventional Spray** Add thinner IK-1501 20-30% to get a proper application pattern. **Brush:** Apply preferably without thinning. However, add up to 5% Thinner IK-1501 if required during the application. Brushing is recommended for stripe coats and touch-ups of critical areas.

Technical Data sheet

Indopoxy 740 ZR

For Airless Spray : Tip Size : 0.017" – 0.031"
Pressure at Nozzle : 180 – 200 kg/cm2
Thinner : Add thinner 5-15%

Recommended system:

Intermediate Coat:

1. Indopoxy 645 MIO
2. Indopoxy 645 Radish Brown

Finish Coat:

1. Indothane 4080
2. Indothane 1067HS
3. Indothane 1070
4. Nippothane 4080HB

Precautions

1. Do not apply in rain, fog or mist and when the surface temperature is 50^0C and above.
2. Material should be used under speculate pot life.
4. The spray machine hose and paint storage equipment should clean with thinner 1501 or 1702 to avoid blockage and damage.
3. Below 10^0 C and above 85% Relative humidity appliaction should be avoided. It creates paint defect.
5. application should be avoided when substrate temperature is less than 3^0C than the dew point temperature

Disclaimer

The information in this data sheet is given to the best of Nippon Paint's (Indokote Industries Pvt. Ltd. is 100% subsudary of Nippon Paint India Pvt. Ltd.) knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore no implied conditions, warranties or other terms will apply to the Product. Nippon Indokote Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. Thisdata sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail

TDS No. 2024/01
Version: 00

NIPPON PAINT INDOKOTE INDUSTRIES PVT. LTD.
PLOT NO. 160, SECTOR 3, HSIDC GROWTH CENTRE, IMT BAWAL, HARYANA 123501
Phone : +91-9015400200
Help Desk: catalyst@nipponpaint.co.in, web site: www.nipponpaint.co.in