Technical Data sheet

Nippopoxy 690HSHB

Product Description

Two component EPOXY based Surface Tolerant (Polyamine cured) coating pigmented with specialized Anti Corrosion Pigments. It provides a tough coating with long term protection on manually cleaned steel or concrete surfaces and can be used as maintenance coatings in high build system.

Recommended Use

690HSHB mastic is recommended as primer, intermediate coat or as topcoat on Structures, Equipments, Pipelines, Storage Tanks etc including hand prepared rusty steel, hydroblasted steel, and a wide range of intact, aged coatings in Infrastructure projects, Bridges, Refinaries Pipelines, Chemical Plants, Steel Plants, Cement Plants, Petrochemicals Plants etc. This product is a High Performance coating, provides excellent surface tolerance as compare to any other Anti-corrosion System.

Physical Properties

Composition : Epoxy Resin cured with polyamide

Volume Solids	: 72 ± 2%	**Temperature Resistance :**	
Mixing Ratio: Base: catalyst	: 3:1 (ByV/V)	Continuous	: 90^0 C
Pot Life:	: Min. 4 Hours @ 30 Deg.	Intermittent	: 120^0 C
Application	: Airless spray/Convetinal spray		
Recommended DFT	: 80-120 µ's per coat	**Abrasion Resistance**	: Excellent
Recommended WFT	: 111-167 µ's per coat	**Colour**	: Self Std. Grey, White
Theoretical Spreading Rate	: 6 - 9 m^2/ ltr	**Packing** .	: 25 Ltrs combi
Drying Time :		**Thinner**	: Thinner 1501
Surface Dry	: Max. 2.5 hours @ 30^0C	**Chemic resistanace:**	
Tack Free	: Max. 8 hours @30^0C	**Acid & Alkali**	: Very Good
Hard dry	: 16-18 Hours@30^0C	**Oil resistance**	: Very Good
Overcoating Interval :		**Resistance**	: Very Good
MIN.	: 16 - 18 Hours		
MAX.	: 7 days		

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 cleaningto St 3 (ISO 8501-1:2007) is acceptable.Hydro-blasting for maintenance structures is preferred choice where there are heavy deposits of contaminants. Ultra-high pressure hydro-blasting equivalent with light flash rusting as per standards NACE NO. 5 or SSPC SP 12- WJ2 and NV2 as referred in SSPC vis-5 pictorial standard.

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 1501 30-40% to get a proper application pattern. **Brush:** Apply preferably without thinning. However, add up to 5% Thinner 1501 if required during the application. Brushing is recommended for stripe coats and touch-ups of critical areas.

Technical Data sheet

Nippopoxy 690HSHB

For Airless Spray : Tip Size : 0.017" – 0.027"

Pressure at Nozzle : 180 – 200 kg/cm2

Thinner : Add thinner 10-20%

Recommended system:

Product can be use as a self primer with suitable top as well as with primer and top Coat

Primer Coat

1. Nippopoxy 710 ZR Primer
2. Nippopoxy 760 ZR Primer

Finish Coat:

1. Nippothane 1066 HS
2. Nippothane 2075 G
3. Nippothane 1070

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.
3. The spray machine hose and paint storage equipment should clean with thinner 1501 or 1702 to avoid blockage and damage.
4. 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