Technical Data Sheet

Indopoxy 5080HS

Epoxy High Soild High Protective Finish

Product Description

A high solid, high build, high performance, two component epoxy finish with excellent chemical and abrasion resistance. This product has excellent performance when exposed to chemical/ industrial environment.

Recommended Use

Indopoxy 5080HS can be used as finish coat or as single coat system in atmospheric environments or as a final coat in immersed environment. Highly recommended as topcoat in high performance coating system in atmospheric and immersed environments. Suitable for Structures, Concrete, Equipments, Machineries, Storage Tanks etc in Nuclear and other Power Plants, Infrastructure projects, Bridges, Chemical Plants, Food & Pharmaceutical Plants, Mining & Steel Plants, Petrochemicals Plants etc.

Physical Data

Colour	: Any IS/ RAL/ Custom Shades
Finish	: Glossy (70-85GU at 60° angle)
Soild by Volume	: 75 ± 2%
Supply Weight (Kg/ Ltr)	: 1.40±0.05
Flash Point	: 28° C
Dry Heat Resistance	: Intermittent : 130°C, Continuous: 100°C
Shelf Life	: 12 months

Film Thickness

Recommended film thickness per coat

Dry Film Thickness	: 60-120µ in single coat
Wet Film Thickness	: 80-160µ in single coat
Therotical Coverage Rate	: 12.50 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.

Primed Surface: The primed surface should be dry and free from all contamination and Indopoxy 5080HS 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.

Maintenance: Remove oil and grease, 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).

Stainless Steel, Galvanised Steel and Aluminium: : The surface should be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface and all polish should be removed from the surface. Else Sand or abrasive sweep blast to a standard similar to ISO 8501-1:2007 Sa1 to create a surface profile.

Concrete: Indopoxy 5080HS is suitable to apply over concrete surfaces. Concrete should be cured for a minimum of 30 days prior to coating. The moisture content of the concrete should be below 5%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitence.

Application Data

Application Method	: Conventional Spray/ Airless Spray/Brush/ Roller
Mixing Ratio	: 4 Part (Base) : 1 Part (Hardener)
Pot Life	: Four Hours at 30°C
Thinner and Cleaner	: Indopoxy Epoxy Thinner (IK.1501)
Airless Nozzle Orifice	: 0.43 - 0.58mm
Nozzle Pressure	: 150 kg/cm^2 or 2100 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

Surface Dry	: 60 mins
Touch Dry (to Handle)	: 3 Hours
Hard Dry	: 24 Hours
Overcoating Interval	: Minimum 24 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	: Epoxy, Epoxy MIO, Epoxy Zinc Rich, Inorganic Zinc Silicates
Subsequent Coating	: Epoxy, Polyurethanes, Alkyds, 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.

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