Technical Data sheet

Indopoxy 690ST

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 medium build system.

Recommended Use

690ST coating is recommended as primer, intermediate coat or as topcoat on Structures, Equipments, Pipelines etc including hand prepared rusty steel, hydroblasted steel, and a wide range of intact, aged coatings iInfrastructure projects, Bridges, Pipelines, Cement Plants etc. This product is a Performance coating, provides excellent surface tolerance as compare to other conventional Anticorrosion System.

Physical Properties

Composition: Epoxy Resin cured with polyamide.

Volume Solids : 55 ± 2%		**Temperature Resistance :**	
Mixing Ratio: Base: catalyst	: 4:1 (ByV/V)	Continuous	: 100^0 C
Pot Life:	: 3 Hours	Intermittent	: 100^0 C
Application	: Airless spray/Convetinal spray		
Recommended DFT	: 60-90 µ's per coat	**Flexibility**	: Moderate
Recommended WFT	: 109-164 µ's per coat	**Abrasion Resistance**	: Excellent
Theoretical Spreading Rate	: 6.1 - 9.1 m^2/ ltr	**Colour**	: Grey
Drying Time :		**Finish**	: Eggshell
Surface Dry	: Max. 45 min @ 30^0C	**Packing** .	: 25 Ltrs combi
Tack Free	: 2-3 Hours@30^0C	**Thinner**	: Thinner IK- 1501
Hard dry	: 24 Hours@30^0C	**Chemic resistanace:**	
Overcoating Interval :		**Acid & Alkali**	: Very good with Topcoat
MIN.	: 24 Hours	**Oil resistance**	: Very good with Topcoat
		Solvent	
MAX.	: 15 days	**Resistance**	: Very good with Topcoat

Storage Life : Upto 12 months of both the pack when kept under sealed and controlled condition.

Surface Preparation

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.

Appliaction Details

Stir components A and B separately and then mix the base and Hardener as per recomended mixing ratio. Mix the paint properly after addition of base and Hardener and allow it to mature for 10-15 minutes and stir again before use and during application. For conventional Spray Add thinner 1501 10-35% to get proper application pattern. Brush : Apply preferably without thinning. However, if required during application, add upto 5% Thinner 1501. Brushing is recommended for stripe coat and touch up of critical areas. Airless Spray : Depending on conditions, 5-10% Thinner 1501 may be added if essential.

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For Airless Spray : Tip Size : 0.017” – 0.027”
Pressure at Nozzle : 180 – 200 kg/cm2
Thinner Intake: 5-10%

Recommended system:

Previous Coating : Epoxy Zinc Rich, Inorganic Zinc Silicate
Finish Coat : Epoxy, Polyurethane, Alkyd, Acrylic

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 equipement should clean with thinner 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

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