



REDOPOXY PRIMER 690HSHB

Surface Tolerant High Solid High Build Epoxy Mastic

PRIMER

Description

REDOPOXY 690HSHB is a 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.

Benefits

- High Performance coating
- Provides excellent surface tolerance as compare to any other Anti-corrosion System
- Excellent adhesion & Mild chemical resistance
- Good resistance to abrasion

Application Area

- Used as primer or as topcoat on Structures, Equipments, Pipelines, Storage Tanks etc.
- Aged coatings in Infrastructure projects, Bridges, Refineries, Pipelines, Chemical Plants, Steel Plants, Cement Plants, Petrochemicals Plants etc.
- Also used in marine & immersion in fresh of salt water

Technical Information

PROPERTIES	RESULTS
Color	Grey / Customized Limited Shades
Finish	Semi Glossy
Volume Solids (ASTM D 2697)	80 ± 2%
Recommended DFT	100-150µ in single coat
Wet Film Thickness	125-190µ in single coat
Specific Gravity	1.55 ± 0.05
Surface Dry	60 min

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances
 The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc.
 The information provided above is at 30°C and 65% relative humidity

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Direction For Use

- **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.

- **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.

- **Aged Surface :**

REDOPOXY 690HSHB is suitable for overcoating a limited range of intact, tightly adherent aged coatings. Loose or flaking coatings should be removed back to a firm edge. Glossy finishes require light abrasion by emery paper or power tool to provide a physical key.

- **Application Data :**

Application Method	Spray/ Airless Spray/Brush/ Roller
Mixing Ratio	3 Part (Base) : 1 Part (Hardener)
Pot Life	Two Hours at 30°C
Thinner and Cleaner	Epoxy Thinner
Airless Nozzle	0.45 - 0.58mm
Orifice 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 epoxy 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 epoxy 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.

Coverage

- REDOPOXY 690HSHB will give coverage of 08 sq.mt / lit at recommended DFT of 100μ

Supply

- It is supplied in 20 lit set (15 lit base & 5 lit hardener).

Self-Life

- 1 year from the date of manufacturing. 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.

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