Fo-Poxy (WP)

Wet Surface Repair Compound

DESCRIPTION:

Fo-Poxy (WP) is a non-sag putty / paste consistency, lining and repair compound which provides excellent adhesion on surfaces which are damp, wet or even under water. It can also be applied directly to marginally prepared steel surfaces. In combination with Fo-Poxy (SP4)-Primer, it provides excellent bond strength in wet surfaces. It is 100% solids plural component system composed of ceramics in a polymeric binder, providing excellent performance in corrosive, chemical and abrasive environments for repairs, protection, rebuilding and resurfacing of Steel and Concrete surfaces. It is resistant to all petroleum distillates, most solvents, dilute acids, dilute alkalis, acidic fumes, distilled water, seawater, waste water and corrosive atmosphere. It is ideal solution for structural repairs especially during monsoon season or repair of submerged parts.

FEATURES

- Bonds well to even poorly prepared surfaces and wet surfaces
- Excellent adhesion with Concrete, Metal, Wood and fibreglass
- Excellent resistance to wide range of chemical spills

TYPICAL USES:

- Repair of submerged parts, damaged / leaking vessels / tank, pumps, radiator and pipeline leakages under wet conditions.
- Ideal product for waterproofing or Lining under damp conditions.
- Repairs or bonding Concrete / Tiles under water; Dams, Irrigation Canal, swimming pool, fire water storage column, etc.
- External lining, resurfacing and repairs for flow lines and transmission lines
- Marine Applications
- Petroleum and industrial process equipment and Tank exteriors
- Refineries, Offshore rigs and platforms
- Water Treatment Plants
- Chemical Plants
- Power Plants
- Fabrication Shops
- Mining and Minerals Industry.

COLORS:

Fo-Poxy (WP) is available in standard White Colour.

PACKAGING:

Fo-Poxy (WP) is available in 1 kg Set (shipped in Jar of 0.5 kg of Part A and 0.5 kg of Part B). 10 kg sets also possible.

TECHNICAL DATA (All values @ 25 °C)	
Solids by volume	100 %
Specific Gravity of Mixed System	1.33 (Kg / litre)
Recommended Thickness	750 – 2000 microns (in 2-3 coats)
PROCESSING PROPERTIES (Under standard lab conditions)	
Mix Ratio of R : H (by Weight or by Volume)	1 : 1
Pot life (in Dry Condition)	20 - 30 minutes (500 grams mix)
Pot life (in Wet Condition)	60 - 90 minutes (500 grams mix)
Tack free time (750 microns @ 25°C)	2 - 4 hours
Dry to Recoat	4 - 6 hours
Maximum recoat time	18 - 20 hours
Post Cure time	24 hours

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TECHNICAL DATA (Under standard lab conditions)	
Compressive Strength	800 kgs / cm^2
Tensile Strength	300 kgs / cm^2
Tensile Shear Strength / Adhesive Strength	100 kgs / cm^2
Flexural Strength	450 kgs / cm^2
Hardness	80 Shore D
Withstanding Temperature	120 °C

COVERAGE:

The theoretical coverage of Fo-Poxy (SP4) is approximately 1 square metre / 1 Kg Set @ 750 micron thickness.

MIXING:

Mixing ratio is 1:1 by weight / volume. Add 1 part of Base (A) to 1 part of Hardener (B) and mix it thoroughly until a streak free homogeneous colour is obtained. Mix quantity only that can be used within pot life.

APPLICATION:

This product can be applied by trowels depending on the volume and project size.

Application Conditions : Surface Temperature should be minimum 50ºF, below which you may require to heat the substrate as well the material; and maximum 140ºF.

Surfaces must be sound and ideally dry, clean, free of oil, grease, dirt, mildew, and other foreign substances. Manually prepared surfaces should be to a minimum standard of St 3 BS 7079: Part A1: 1989 at the time of coating. The concrete shall be thoroughly cleaned to remove all dirt, oil & other contaminants, as per SSPC SP-13. NACE 6/SSPC- SP-1.

STORAGE:

Twelve months in factory delivered, unopened Packs. Keep away from extreme heat, freezing, and moisture. Store indoors at 50ºF (10ºC) to 104ºF (40ºC).

CHEMICAL RESISTANCE:

The following chart is the results of product immersed in chemicals and tested as per ASTM D 3912.

Chemicals	Resistance	Chemicals	Resistance
Hydrochloric acid 10 %	R	Methanol,Ethanol,Butanol	R
Sulphuric Acid 10%	R	Xylene, Toluene (Ambient)	R
Acetic Acid 10%	R	Refined Petroleum products	R
Ammonium Hydroxide 10%	R	Sewage, Waste water	R
Crude Oil, JetFuel,	R	Motor Oil, Lubricants	R
Gasoline, Kerosene, Diesel	R	Sea water, Deionized water	R

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