UWEPR UnderWater Epoxy Primer

Product Description

UWEPR is a two-component epoxy primer developed specifically for application. UWEPR is a two-component epoxy primer developed specifically for application on surfaces which are under water. It can be also applied on wet or damp steel surfaces. UWEPR is an excellent corrosion protection coating with superior adhesion and resistance to cathodic corrosion at high temperatures. In addition, it may be applied on dry steel surfaces with equal corrosion protection properties.

Recommended Use

Extensively used for underwater structures which needs protection in the immersed condition. Can be used in sea or freshwater on Splash zones, Jetties, Tidal zones and swimming pools without restrictions.

Film Thickness per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	50	100	75
Wet Film Thickness (µm)	50	100	75
Coverage Rate (m^2/L)	5	10	7.50

Drying times differentiate in minimum or maximum values. Maintain recommended values during application. Coverage rate is Theoretical and does not include any losses.

Advantages

- 100% Solids – No VOCs
- Isocyanate Free
- Excellent adhesion to wet, damp or dry grit-blasted steel surfaces, Fusion Bond Epoxy (FBE) and Fiber Reinforced Plastic (FRP)
- Excellent resistance to high temperature cathodic disbonding at temperatures up to 80°C

Properties

Type ▶	Epoxy Amine	**Overcoating** ▶	Minimum: 8 h @ 20°C Maximum: 24 h @ 20°C
Components ▶	Base A & Hardener B	**Full Curing** ▶	7d @ 20°C
Color ▶	Red Brown / Cream / Grey	**Max. Pot Life**▶	60 minutes @ 20 °C
Thinner/ Cleaning Solvent ▶	NanoPhos Thinner A	**Solids (%vol.)** ▶	100
Mixing Ratio ▶	2:1, A:B per volume	**Abrasion Resistance** ▶	Excellent
VOC ▶	0 g/L	**Water Resistance** ▶	Excellent

Surface Preparation

Mechanically cleaning at the level of ST3. Reference standard: ISO 850. The surface must be clean from loose or hard corrosion. It is recommended the old paints to be removed. Oil, grease, and other contaminations has to be removed.

Application

Thoroughly stir the contents of the base can. Empty the entire contents of the hardener can into the base container and mix thoroughly until a uniform consistency is obtained, taking particular care to scrape the sides and bottom of the container. It is recommended that mechanical mixing be employed, using a Jiffy mixer on a heavy duty, slow speed electric drill. Apply a wet coat in even parallel passes. Do not attempt to achieve specified DFT in one pass. Vertical and horizontal passes should be used to seal the surface and to achieve desired DFT. Overlap each pass to avoid bare areas, pinholes or holidays, giving special attention to cones, welds, rough areas, edges and cavities.

- ***For other immersion areas:***

Please contact NanoPhos Marine for more information.

Health and Safety

I. Use normal precautions such as gloves, facemasks.
II. Adequate ventilation must be maintained.
III. Explosion proof lights & electrical equipment.
IV. Non- Sparking shoes & tools for workers in area.
V. This product contains flammable materials. Forbid all flames, smoking and welding in work area.
VI. Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

Available Packaging

- 20L unit (total 20 liters in two metal canisters | 2:1, A:B per volume)

Notes & Precautions: Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5°C to 35°C, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets and Coating Technical Specification. This product is for professional use only. For more information please contact NanoPhos Marine: **www.NanoPhos-Marine.com**

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