



# RAINBOW

## EPOXY UNDER WATER COATING

PRODUCT NUMBER	No.1087
TYPE	A two-component anti-corrosion coating composed of a special epoxy resin and hardener.
USES	It is mainly used for anti-corrosion coatings for steel such as steel sheet piles or steel pipe piles that need to be applied in anti-corrosion coating underwater or under seawater, such as coasts, harbors, wharf facilities, etc.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. It can be coated on the sandblasted steel surface or on NO.1087P by brushing or special automatic brushing machine under water.</li><li>2. Under the correct brushing shear force, it has good wetting and adhesion to the steel surface after underwater sandblasting or after coating NO.1087P, and the paint film can be hardened under water and will not be lost by the impact of ocean currents.</li><li>3. The paint film is tough, can withstand the impact stress of the steel plate in the ocean current, has excellent corrosion resistance, and has anti-corrosion protection of shielding protection.</li><li>4. The thickness of the dry film can reach more than 600µm at one brush.</li></ol>
FINISH POINT	Above 100°C
COLOR	Gray , blue
SPECIFIC GRAVITY	Above 1.5 Kg/L (mixture)
VISCOSITY	40000~60000 cps (25°C)
DRYING TIME	Set-to-touch 2 hrs. half dry 4 hrs. Dry hard 6 hrs. Fully cured 7days (25°C)
OPTIMUM FILM THICKNESS	WFT: 630 (microns) DFT: 600 (microns)
OVERCOATING INTERVALS	Min. 3 hrs. Max 3 days.
MIXING RATIO	Base : hardener = 86 : 14 (by wt.)
THEORETICAL COVERAGE	1 Kg/ m <sup>2</sup> @ 600µ
THINNER	No.1005 Epoxy Thinner (SP-12) (Only for tools cleaned)
SUITABLE PRIMER	No.1087P or No. 1087
POT LIFE	Maximum 40 minutes (mixture, 1Kg/25°C)
ADHESION	Brush on blasting steel on water: above 30Kg/cm <sup>2</sup> Brush on blasting steel under water: above 12Kg/cm <sup>2</sup>
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Brush or underwater special automatic brush machine
NOTE	<ol style="list-style-type: none"><li>1.Mix base and hardener according to the mixing ratio and stir thoroughly.</li><li>2.The coating surface attach seaweed, barnacle, slime halobios easily under water, all halobios must be cleaned thoroughly when brush on the second day, or it may affect adhesion.</li><li>3.Brushing with short nap brush have good shear strength and wetting effect under water.</li><li>4.Pot life is 40 minutes (mixture, 1Kg/25°C), mixing too much may have bad construction.</li></ol>

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