

Product Description

An abrasion resistant, surface tolerant, two packs epoxy primer, which is suitable for low temperature cure.

Recommended Uses

As an epoxy anticorrosive, can be used at New Building, M&R or On Board Maintenance. Suitable for use with controlled cathodic protection.

Product Information

Color	EP2201R Red EP2202R Grey
Part B (Curing Agent)	EPC220R EPC220W (Low Temperature)
Volume Solids	70% ± 2%
Typical Film Thickness	100–150 microns dry (143–214 microns wet)
Theoretical Coverage	7.00 – 4.67 m ² /litre at 100 – 150 microns D.F.T.
Mix ratio	Part A (Base) : Part B (Curing Agent) =5: 1 (By Volume)
Flash Point	30°C

Surface Preparations

All surfaces to be coated must be clean, dry and free from contamination. High pressure fresh water wash or fresh water wash, as appropriate, and remove all oil or grease, soluble contaminants and other foreign matter in accordance with SSPC–SP1 solvent cleaning.

Bare steel	Abrasive blast clean to Sa2½(ISO 8501–1:2007). Power tool cleaning to min.St2 (ISO 8501–1:2007) may be acceptable, subject to exposure conditions.
Shop Primer	Approved shop primers must be clean, dry and free from soluble salts and any other surface contaminants. Unapproved shop primers will require complete removal by blast cleaning to Sa2½ (ISO 8501–1:2007). Consult Hilon representative for specific recommendations.
Others	Please consult Hilon representative.

Application

Application Condition	The temperature of the substrate should be at least 3°C above the dew point of the air. Good ventilation is required in confined areas to ensure proper drying.
Mixing	Combine 5 parts of Base with 1 part of Curing Agent and mix thoroughly with a power agitator.
Induction Period	None
Pot Life (23°C)	2 hours (Reduced at higher temperature)
Thinner	THR100
Airless Spray	Recommended Tip Range 0.53–0.84mm (21–33 thou) Total output fluid pressure at spray tip not less than 170 kg/cm ² (2420 p.s.i.)
Air Spray	Not applicable

Brush	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness
Roller	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness

Drying information (EPC220R)

Temperature	0°C	10°C	25°C	35°C
Touch Dry	4 hrs	3 hrs	1.5 hrs	1 hr
Hard Dry	28 hrs	16 hrs	6 hrs	3 hrs

Drying information (EPC220W)

Temperature	-5°C	0°C	10°C	25°C
Touch Dry	4 hrs	3 hrs	2 hrs	1 hr
Hard Dry	24 hrs	12 hrs	8 hrs	4 hrs

Overcoating data

Temperature	0°C		10°C		25°C		35°C	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
HilonGuard 2220	24 hrs	28 days	12 hrs	28 days	6 hrs	28 days	3 hrs	14 days
HilonTie 5310	24 hrs	28 days	12 hrs	28 days	6 hrs	28 days	3 hrs	14 days
HilonGuard 2500	24 hrs	28 days	12 hrs	28 days	6 hrs	28 days	3 hrs	14 days
HilonDeco PU 9400	24 hrs	5 days	12 hrs	5 days	6 hrs	3 days	3 hrs	2 days

Unit Size

18 litres unit: 15 litres part A (Base) in a 20 litres container, 3 litres part B (Curing Agent) in a 3 litres container.

Storage

Must be stored in accordance with national regulations. Store in dry, shaded conditions away from sources of heat and ignition.

Health And Safety

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information, and apply and use the coating according to the national state of health and safety as well as environmental protection standards and regulations.

Important note

The information in this data sheet is not intended to be exhaustive, for your reference only. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. Please contact us and request the latest version prior to using the product.