

Product Description

A two pack, abrasion resistant, aluminium pure epoxy coating giving excellent long term anticorrosive protection and low temperature application capability.

Recommended Uses

A universal primer which can be used on steel alone or in combination with a variety of other coatings.

As an anticorrosive primer in ballast tanks, is type approved as complying with the requirements of IMO Resolution MSC.215 (82).

As a cargo holds coating, it is certified for the carriage of grain by NOHH.

Product Information

Color	EU5001H Aluminium Red EU5002H Aluminium Grey
Part B (Curing Agent)	EUC500H
Volume Solids	70% ± 2%
Typical Film Thickness	125–200 microns dry (178–286 microns wet)
Theoretical Coverage	5.60 – 3.50 m ² /litre at 125 – 200 microns D.F.T.
Mix Ratio	Part A(Base) to Part B(Curing Agent)= 3: 1 (by volume)
Flash Point	28°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). 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 your Hilon representative for specific recommendations.
Shop Primer	
M&R	Abrasive blast clean to Sa2½(ISO 8501–1:2007).
Ballast Tank	For approved PSPC type coating, please refer to construction guidance.
Others	Please consult Hilon representative.

Application

ApplicationCondition	The temperature of the substrate should be minimum –15°C and at least 3°C above the dew point of the air. Good ventilation is required in confined areas to ensure proper drying. During application and the initial drying of the coating, the coating should not be exposed to high humidity as this can result in loss of gloss.
Mixing	Combine 3 parts of Base with 1 part of Curing Agent and mix thoroughly with a power agitator.
Induction Period	None

Pot Life (23°C)	3 hours (Reduced at higher temperature)
Thinner	THR100
Airless Spray	Recommended Tip Range 0.53–0.79 mm (21–31 thou) Total output fluid pressure at spray tip not less than 170 kg/cm ² (2420 p.s.i.)
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

Temp.	-5°C	10°C	25°C	35°C
Touch Dry	6 hrs	4 hrs	3 hrs	2 hrs
Hard Dry	10 hrs	8 hrs	6 hrs	3 hrs
Min. Time Before Ballasting	9 days	6 days	3 days	2 days

Overcoating Data

Temp.	-5°C		10°C		25°C		35°C	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
HilonUprimer 3500 (Immersed)	24 hrs	14 days	12 hrs	14 days	6 hrs	14 days	4 hrs	14 days
HilonUprimer 3500 (Non-immersed)	24 hrs	6 mths	12 hrs	6 mths	6 hrs	6 mths	4 hrs	6 mths
HilonTie 5310	24 hrs	14 days	12 hrs	14 days	6 hrs	14 days	4 hrs	14 days
HilonDeco EP 9300	24 hrs	14 days	12 hrs	7 days	6 hrs	4 days	4 hrs	4 days
HilonDeco PU 9400	24 hrs	5 days	12 hrs	5 days	6 hrs	3 days	4 hrs	2 days

Unit Size

20 litres unit: 15 litres part A (Base) in a 20 litres container, 5 litres part B (Curing Agent) in a 5 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.