



### Product Description

A two pack, high surface tolerance, abrasion resistant epoxy coating having all the year round application capability with winter and summer curing agents.

### Recommended Uses

An economic, two pack, abrasion resistant epoxy coating which can be used on cargo holds, deck and deck fittings. As a cargo holds coating, it complies with the regulations of the United States Food and Drug Administration for repeat use in food contact applications and certified for the carriage of grain by NOHH.

### Product Information

Color	EH1101 Red EH1102 Grey
Part B (Curing Agent)	EHC110S(summer type) EHC110W(winter type)
Volume Solids	75% ± 2%
Typical Film Thickness	100 – 150 microns dry (133 – 200 microns wet)
Theoretical Coverage	7.50 – 5.00 m <sup>2</sup> /litre at 100 – 150 microns D.F.T.
Mix Ratio	Part A(Base) to Part B(Curing Agent)= 4: 1 ( by volume )
Flash Point	29°C (summer type)/32°C(winter type)

### 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.

Newbuilding/Maintenance & Repair	Abrasive blast clean to Sa2(ISO 8501–1:2007). Power tool cleaning to min. St2(ISO 8501–1:2007) may be acceptable, subject to exposure conditions.
Aged Coating	HilonHolds 5110 may be applied directly over aged HilonHolds 5110 coating following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition.
Other	Please consult Hilong representative.

### Application

Application Condition	The temperature of the substrate should be minimum –10°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 4 parts of Base with 1 part of Curing Agent and mix thoroughly with a power agitator.
Induction Period	None
Pot Life (23°C )	4 hrs (summer type) / 1 hr (winter type) (Reduced at higher temperature)
Thinner	THR100
Airless Spray	Recommended Tip Range 0.53–0.84 mm (21–31 thou) Total output fluid pressure at spray tip not less than 170 kg/cm <sup>2</sup> (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 time(summer type)

Temperature	5°C	10°C	25°C	35°C
Touch Dry	9 hrs	7 hrs	4 hrs	3 hrs
Hard Dry	48 hrs	28 hrs	10 hrs	5 hrs

### Drying time(winter type)

Temperature	-5°C	5°C	15°C	25°C
Touch Dry	24 hrs	10 hrs	5 hrs	3 hrs
Hard Dry	60 hrs	24 hrs	14hrs	10 hrs

### Overcoating Data(summer type)

Temperature	5°C		10°C		25°C		35°C	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
HilonHolds 5110	24 hrs	3 mths	18 hrs	2 mths	6 hrs	1 mth	4 hrs	21 days

### Overcoating Data(winter type)

Temperature	-5°C		5°C		15°C		25°C	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
HilonHolds 5110	48 hrs	3 mths	12 hrs	2 mths	4 hrs	1 mth	4 hrs	21 days

### Unit Size

20 litres unit: 16 litres part A (Base) in a 20 litres container, 4 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 prior to using the product.