

Product Description

A three component, high solids epoxy coating. With specially designed anti-skid aggregates (Part C) , the friction coefficient of 0.5–0.95 can be realized under various environmental conditions. The product is optimized for low UV absorption for extended durability.

Recommended Uses

Designed to be used for rollable deck area with high anti-skid requirements.
For Use at New Shipbuilding, Maintenance & Repair or On Board Maintenance.

Product Information

Color	ES3002 Grey ES3004 Green
Part B (Curing Agent)	ESC300
Part C (Aggregate)	ESA095 (Coefficient of friction 0.95)
Volume Solids	88% ± 2% (exclusive of aggregate)
Typical Thickness	750– 3000 microns dry (852 – 3409 microns wet)
Theoretical Coverage	0.88 m ² /litre at 1000 microns D.F.T.
Mix Ratio	Part A(Base) to Part B(Curing Agent)= 2.2: 1 (by volume)
Flash Point	40°C
VOC	75 g/lit (EPA method 42)

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	HilonShield 5300 should be always applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and HilonShield 5300 must be applied within the overcoating intervals specified (refer to the relevant product data sheet). Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. Sa ^{1/2} (ISO 8501–1:2007) and primed prior to the application.
Others	Please consult Hilon representative.

Application

Application Condition	The temperature of the substrate should be minimum 0° 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 2.2 parts of Base with 1 part of Curing Agent and mix thoroughly with a power agitator, then add Aggregate and mix thoroughly.
Pot Life (23°C)	1 hr (Reduced at higher temperature)
Thinner	THR100
Roller	Apply mixed paint by pouring onto the properly prepared surface. Then spread out evenly with a roller.



HilonShield 5300

Abrasion Resistant Anti-skid Epoxy

Drying information

Temperature	10°C	25°C	35°C
Touch Dry	7 hrs	4 hrs	3 hrs
Hard Dry	24 hrs	12 hrs	8 hrs

Overcoating Data

Temperature	10°C		25°C		35°C	
	Min.	Max.	Min.	Max.	Min.	Max.
HilonDeco PU 9400	24 hrs	3 days	12 hrs	3 days	6 hrs	3 days

Unit Size

16 litres plus 15 kilograms unit: 11 litres part A (Base) in a 20 litres container, 5 litres part B (Curing Agent) in a 5 litres container, 15 kilograms part C (Aggregate) 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.