

Product Description

A TBT free self-polishing (SPC) antifouling based on Silyl Methacrylate Copolymer technology, keeping underwater hull surface smooth by high polishing performance, giving minimized in-water frictional resistance and long-term fuel saving. In compliance with INTERNATIONAL CONVENTION ON THE CONTROL OF HARMFUL ANTI-FOULING SYSTEMS ON SHIPS, 2001 (IMO document AFS/CONF/26).

Recommended Uses

An antifouling paint used for new building or maintenance & repair. Can be applied on the tie coat or the existing antifouling paint in good condition. Provide up to 90 months antifouling protection. Specially designed for vessels trading at medium to high speed and with medium to high activity.

Product Information

Color	AF3001 Red AF3005 Brown
Volume Solids	57% ± 2%
Typical Film Thickness	75 – 150 microns dry (132 – 263 microns wet)
Theoretical Coverage	7.60 – 3.80 m ² /litre at 75 – 150 microns D.F.T.
Mix Ratio	Not applicable
Flash Point	25°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.

Newbuilding	HilonCare 7300 should be always applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and HilonCare 7300 must be applied within the overcoating intervals specified (refer to the relevant product datasheet). Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. Sa $\frac{1}{2}$ (ISO 8501-1:2007) and primed prior to the application.
Maintenance & Repair	Clean the entire hull area with high pressure (not less than 200kg/cm ²) fresh water washing as soon as the vessel enters dock and before it dries out. Damaged areas should be repaired with an appropriate anticorrosive primer, and apply HilonCare 7300 within the overcoating interval specified for the primer (refer to the relevant data sheet).
Others	Please consult Hilong representative.

Application

Application Condition	The temperature of the substrate should be at least 3° C above the dew point of the air. After immersed, HilonCare 7300 will exhibit a slight colour change.
Mixing	One pack product should always be mixed thoroughly with a power agitator before application.
Induction Period	Not applicable
Pot Life (23°C)	Not applicable

Thinner	THR200
Airless Spray	Recommended Tip Range 0.54–0.80 mm (21–31 thou) Total output fluid pressure at spray tip not less than 190 kg/cm ² (2700 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

Temperature	-5°C	5°C	25°C	35°C
Touch Dry	1.5 hrs	1 hr	40 mins	30 mins
Min. Immerse Time (Single Layer)	24 hrs	10 hrs	8 hrs	6 hrs
Min. Immerse Time (Dual Layer)	48 hrs	24 hrs	16 hrs	12 hrs

Note: For Major Refurbishment and Repair if total dft is > 300 μm flood times must be increased as follows:
72 hours at -5°C, 48 hours at 5°C, 36 hours at 25°C and 24 hours at 35°C.

Overcoating Data

Temperature	-5°C		5°C		25°C		35°C	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
HilonCare 7300	10 hrs	6 mths	5 hrs	6 mths	4 hrs	4 mths	3 hrs	4 mths

Unit Size

20 litres unit: 20 litres in a 20 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.