

Switch to water-based paints from the inside!

SWAN **HB L**

Air-drying high build water-based paints

Self priming and top coat suitable for ship internals,
including accommodation and the engine room

Water-based

Low VOC

For internal use



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There has been a gradual shift to the use of high solid type paints, solventless paints and water-based as part of efforts amongst the paint industry to reduce VOC (Volatile Organic Compounds) emissions, which are a major factor to air pollution. CMP has developed SWAN HB-L, a water based paint with low VOC designed for the utmost safety in confined areas of ships. SWAN HB-L can be used as self priming and top coat suitable for ship internals, including accommodation and the engine room.



Applications

As self priming and top coat suitable for ship internals, including accommodation and the engine room

Features

Designed for crew safety and the environment

Safe as it is free from hazardous materials, and enhances internal environment of vessels with less odor than existing paints.

Save time and money

As it is a single coat type, it contributes to saving on labor cost when compared to the existing conventional system that requires two coats system.

Suitable for internal application

Less odor and quick drying.

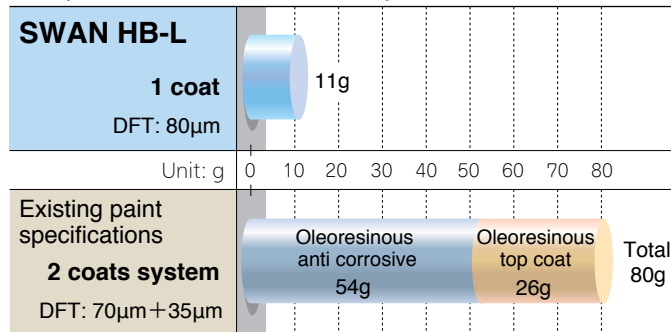
Excellent coating performance

Outstanding anti-corrosive performance and water-resistance compared to existing paints

Low VOC

12.5% reduction of VOC emissions per m² can be achieved by changing from existing standard solvent paints to SWAN HB-L.

Comparison of VOC Emissions per m².



Excellent coating performance

Anti-corrosive test

Salt-water spraying test
(for 500 hours)

Test conditions
DFT : 80µm
Application on sand blasted steel



SWAN HB L



Existing specification

In addition to our standard specifications, CMP possesses certification which meet various requirements from shipyards.

SOLAS fire-retardant paint
High Build Water Based system
(EC/MED, NK, JG)

Standard specifications

High build water-based paint

Other specifications

Primer + Subsequent paint

Modified Epoxy + High build water-based paint

Pure Epoxy + High build water-based paint

Alkyd + High build water-based paint

High build water-base + Alkyd resin paint

Product data

Paint properties	Color	White and standard colors				
	Flash point	Non-hazardous				
	Solid by volume	51±2% (ISO:3233)				
	Coverage (theoretical)	176 ~ 235 g/m ²				
	Film thickness	Wet	118 ~ 157µm			
Dry		60 ~ 80µm				
Drying properties	Drying time (Dry 80µm)	Temperature	5°C	10°C	20°C	30°C
		Set to touch	2H	1.5H	1H	0.5H
		Hard dry	10H	7H	4H	2.5H

Precautions for Painting

Before painting	Preparation	If painting equipment has been used with solvent-based paints beforehand, rinse them with water and then put SWAN HB L to the equipment.
	Dilution	Do not dilute more than 3%. Excessive dilution can adversely affect coating quality, including an extreme drop in gloss and in good adhesion.
After painting	Cleaning of painting equipment after use	Clean painting equipment with Epoxy Thinner A after rinsing with water. Paints remained in the equipment, which were hardly to be washed out, will dissolve with Epoxy Thinner A.
	Ventilation	Adequate ventilation is required to avoid high humidity while applying paint. Keep the area well ventilated after application as well until paint surface dries. Insufficient ventilation may cause uneven drying.



Safe and environmentally-friendly water-based paint

SWAN **HB L**



CMP **CHUGOKU MARINE PAINTS, LTD.**

Website: <http://www.cmp.co.jp>

- * The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.
- * Prior to use, please read carefully this Technical Data Sheet, Material Safety Data Sheet (MSDS), and label on the package of our products.