STABILIS AF-100/200/300

TIN FREE SELF POLISHING ANTI FOULING

Product Description

HANA STABILIS AF-200 is a high solid tin free self polishing Anti fouling paint based on advanced Leaching Control Mechanism for long lasting anti fouling performance against marine organisms.

Features

- TBT free self polishing anti fouling paint for new-building and repair maintenance.
- Advanced Leaching Controlled Mechanism for long term protection against marine organism.
- It complies to IMO Anti-fouling System Convention (AFS/CONF26)
- It is suitable for vessels trading at a wide range of speed and activity.
- Suitable for coastal and ocean going vessels .

Typical Uses

Recommended as an anti fouling system for bottom, vertical hull and boottop on vessels operate in global waters. It is Suitable for coastal and ocean going vessels trade at low to medium speed and low to medium activity. May use for offshore structure , slow moving storage vessels or fishing boat.

Physical Data

Color	:	Brown, Light Brown, Black, Green,Yellow
Flash Points	:	23.5 ^{0}C
Volume Solid	:	68+/- 2%
VOC(as supplied)		296 g/L
Shelf Life @25^{0}C / indoor		12 months

Typical Thickness : 100 ~ 150μ dried film.

Drying Time(at Dry Film Thickness 100μ)	Temperature	10^{0}C	20^{0}C	30^{0}C
	Surface Dry	2 hrs	1.0hrs	0.5 hrs
	Hard Dry	8 hrs	5 hrs	4 hrs
Painting interval:	Minimum	8 hrs	5 hrs	4 hrs
	Max. (self)	-	-	-
Dry To Launch		18.0 hrs	12.0hrs	10.0hrs
Film Thickness	Wet film	110 ~ 220 μ ;		
	Dried film	75 ~ 150 μ		
Theoretical coverage (at DFT 75μ)		0.11~0.220 L/m^2 ; 9.1 ~ 4. 5 m^2/L		

Application Data

Thinner : Acrylic Thinner or Xylene
Application Method : airless spray, roller, brush

Mixing Procedure : Power mix the paint for at least two minutes or until homogeneous.

Drying schedule : One pack and drying by solvent evaporation. Higher film thickness, insufficient ventilation, or lower temperature will require longer drying time.

This product requires the substrate temperature to be above the dew point (+ 3~5 ^{0} C). Condensation due to substrate temperatures below dew point can cause flash rust on metal and adhesion will be affected.
Color Different : The paint use as primer or anti fouling may have slight color variance between batches. Similarly , the paint under sun light exposure may fade and chalk.

Application Procedure

Mix properly the paint before use.

a) Flush equipment with Hana Thinner A before use.
b) Mix the paint thoroughly until homogeneous.
c) Thin with Thinner A only if necessary for workability.
d) When applying by conventional spray, use adequate air pressure and volume for proper atomisation.
e) Apply a wet coat in even parallel passes, overlap 50% to avoid holidays and pin hole.
f) Excessive thickness can prolong drying and sagging.
g) Clean up all equipment with thinner immediately after use.
h) Keep containers tightly close and store in proper storage area.

Condition of Application

Use brush or roller with 1/8" nap . Apply at sufficient thickness and avoid repeating rolling to have good levelling.

Temperature : Min 5 ^{0} C

Humidity	:	Maximum 85 % R.H.
For Airless spray	:-	
Tip Size	:	Graco 621 ~ 735 or equivalent
Paint Output pressure	:	11.7 – 14.7 MPa (g)
Thinning	:	0 – 10 % by volume

Surface Preparation

General :
Surfaces must be clean and dry, all contaminants like dirt, dust , oil must be remove by appropriate method to ensure good adhesion.

Repair
Existing aged anti fouling paint and leached layer must be removed by fresh water washing close to the surface with pressure upto 250 bar 3500psi or higher. An excessive leached/skeleton layer will be weaken by fresh paint and may result cohesive failure and spot detachment.

Spot touch up or blasting to Sa 2.5
Used recommended primer system and observed coating interval. Light sanding on primer is recommended if exceed coating interval.

Safety Precaution and Clean-up

Safety : Read and follow the material safety data sheet (MSDS) before use. Employ normal safety precaution. Put on necessary personal protection equipment when handle and use this product.

Ventilation : when working in a confine workplace, thorough air ventilation must be used during and after application until the coating is cured. The ventilation system should be effective to prevent solvent vapour concentration from reaching lower explosion limit for the product and to ensure exposure limit to the personnel to be below permissible exposure limit.

Caution : All electrical equipment and installations should be made and properly grounded. In area where explosion hazard exist, workmen should be used non-ferrous tools, conductive shoes and non-sparkling tools.

Clean-up : Use Hana Thinner A or hydrocarbon solvent for cleaning. Observe safety precaution when use the solvents. In case of spillage, absorb and dispose the material and used container according to local required regulation or through licence waste collector.

Disclaimer

Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. The products are delivered and any technical assistance is given subject to our GENERAL CONDITIONS OF SALE,DELIVERY AND SERVICE and ,unless otherwise expressly agreed in writing ,manufacturer and seller assume no liability in excess of that stated therein for results obtained, injury, direct or consequential damage incurred from the use as recommended above or otherwise.

Limited Warranty

Whilst we endeavour to ensure that all advice we give about this product is correct and manufacture according to standard quality control system, however we have no control over either the quality or condition of the substrate or many other factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of this product.