



Advance Coat AF HY

High Performance Tin Free Self Polishing Anti fouling Paint.

Generic Type :

A Tin-free self polishing antifouling paint.

Description :

Advance Coat AF HY is a tin free self polishing anti fouling paint base on hydrolysis mechanism and cuprous oxide as biocide for good antifouling performance.

Typical Uses :

Can be used as anti fouling paint for ship bottom for world wide service with extended dry-docking interval.

Physical Data :

Color : Light red, Red
Flash Points : 24⁰C
Volume solid : 44 +/- 2%
Shelf Life @ 20⁰C/indoor : 12 months

Application Details

Drying Time(at Dry Film Thickness 100μ)	Temperature	10 ⁰ C	20 ⁰ C	30 ⁰ C
	Surface Dry	2.0hr	1.0hr	30 min
Hard Dry	8 hrs	5 hrs	4 hrs	
Dry To Launch		18 hrs	12 hrs	10 hrs
Painting interval:	Minimum	8 hrs	5hrs	4 hrs
	Maximum	-	-	-
Theoretical coverage (at DFT150μ)		0.3 L/m ² ; 550g/m ²		

Application Data :

Application Method : airless spray, roller, brush

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

Drying schedule : Drying by solvent evaporation. Higher film thickness, insufficient ventilation, or lower temperature will require longer drying time. Excessive humidity or condensation on the surface can interfere with the drying cause discoloration and may result in a surface haze. Any haze or contamination must be removed by water washing before recoating.

This product requires the substrate temperature to be above the dew point (+ 3~5⁰ C). Condensation due to substrate temperatures below dew point can cause flash rust on metal and adhesion will be affected.

Application procedure :

Mix properly the paint before use.

- Flush equipment with thinner or AC Thinner A before use.
- Mix the paint thoroughly until homogeneous.
- Thin only if necessary for workability.
- When applying by conventional spray, use adequate air pressure and volume for proper atomisation.
- Apply a wet coat in even parallel passes, overlap 50% to avoid holidays and pin hole.
- Clean up all equipment with thinner or AC thinner A immediately after use.
- 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 : Minimum 5⁰ C
Humidity : Maximum 85 % R.H.
For Airless spray :-
Tip Size : Graco 621 or equivalent
Paint Output pressure : 120 – 150 kgf / cm²
Viscosity : 90 seconds (Iwata Cup no 4)
Thinning : 0 – 5 % 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. Apply suitable primer as recommended before apply this top coat.

5 years painting scheme :

- 1st coat : Advance Coat AF Sealer – 50 μ
- 2nd coat : Advance Coat AF HY L.Red – 120μ
- 3rd coat : Advance Coat AF HY .Red – 125μ
- 4th coat : Advance Coat AF HY .L.Red – 125μ



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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 and non-sparkling shoes.
- Clean-up :** Use AC Thinner A 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. Product data are subject to change without notice and automatically void two years from issue.

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.