



Advance Coat Finish

High Performance Alkyd Top coat for heavy duty application

Generic Type :

A Alkyd resin top coat .

Description :

Advance Coat Finish is a high gloss alkyd resin paint use as top coat for steel structure. It have good adhesion property , weathering resistance and good color and gloss retention .

Typical Uses :

Can be used as heavy duty top coat for steel structures like ship, bridges and buildings.

Physical Data :

Color : White, As specified
Flash Points : 43 °C
Volume solid : 48 +/- 2%
Shelf Life @ 20°C/indoor : 24 months

Application Details

Drying Time(at Dry Film Thickness 40µ)	Temperature	10°C	20°C	30°C
	Surface Dry	3.0 hr	2.0hr	1.5 hr
Hard Dry	16 hrs	8 hrs	6 hrs	
Painting interval:	Minimum	24 hrs	14 hrs	10 hrs
	Maximum	-	-	-
Theoretical coverage (at DFT 40µ)	0.08 L/m ² ; 96 g/m ²			
Service temperature	-20 to 100°C (dry)			

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 (+ 3~5 °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 mineral spirit before use.
- Mix the paint thoroughly until homogeneous.
- Thin with mineral spirit 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.
- Excessive thickness can caused wrinkling.
- Clean up all equipment with thinner or mineral spirit 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 5 °C
Humidity : Maximum 85 % R.H.
For Airless spray :-
Tip Size : Graco 615, 715 or equivalent
Paint Output pressure : 120 – 150 kgf / cm²
Viscosity : 120 seconds (Iwata Cup no 4)
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. Apply suitable primer as recommended before apply this top coat.

Performance Data :

Properties	Test Method	Evaluation
Adhesion	ASTM D3359	> 24/25 , 5A
Outdoor Exposure	JIS K5400-1990	6 months Gloss retention > 80%, ΔE < 3.0



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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 mineral spirit 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.

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.

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