



Navilac OX-452 Alkyd Enamel

Catalog Number 452-S-XXXX

FEATURES

- Gloss finish
- Industrial and Marine quality
- Excellent Weathering properties
- Good application characteristics
- Good Drying properties

RECOMMENDED USES

Navilac OX 452 enamel is designed to protect and enhance the appearance of;

- Steel Structures and tank exteriors
- Properly primed masonry, steel and other metal surfaces
- Marine exterior areas such as freeboards, decks, houses, and superstructures; interior areas such as engine rooms, passageways and equipment.

SPECIFICATION DATA

Coating Type	: Alkyd
Color	: Color Card and RAL Colors
Density (at 20°C)	: 1,18 Kg/Lt
Application Viscosity	: 110 sec. (With Ford Cup#4)
Packaging	: 20 Lt.
Gloss	: 80; at 60° Glossmeter
Flash Point	: 38° C.
Thinner for cleaning equipment	: Navimar T-5 Thinner
Shelf life	: More than 2 years, Keep it in dry cool area.
VOC	330 gr/Lt.
Volume Solid	: % 48±2
Theoretical spreading rate	: 16,6 m ² /Lt/30 mic.
Application data	: To obtain 25-35 mic DFT. Apply 50-70 mic WFT.
Application	: Low pressure spray, brush, roller.
Drying time	: 20° C, %50 RH . 30 microns. DFT.
	Touch Dry : 2 Hours.
	To handle. : 8 Hours
	Minimum Overcoating time :16 Hours

Application Properties

Surface preparation

Surface should be clean and free of dirt, wax grease and oil, and all other impurities with using one of the methods of detergent wash, solvent wiping or and steam cleaning or all in combination then before commencing coating substrate must be dried. If exist surface salt should be removed by High pressure fresh water wash using plenty of water. All loose particles, rust, rust scales in metals should be removed by scraper and steel brush and water jetting. To obtain maximum performance for metal surface, before commencing finish coating, Steel substrate must be primed with Navimar Alkyd primer, Galvanized Steel primed with Navimar Galvanized primer and Wood surface Must be Primed with Navimar wood Primer.

Priming, mixing, thinning

Navilac alkyd Enamel coating is single component product supplied in proper application viscosity. Before commencing coating, the entire can must be Power mixed to obtain a smooth, homogenous condition. Thinning is not normally required or desired, however, at extreme environmental conditions, small amounts (%10 or less by volume) of the solvents(T5) on the reverse page can be added depending on local VOC and air quality regulations. Excessive thinning can cause low film thickness, sagging and other film defects.

Application

Navilac alkyd Enamel should not be applied when relative humidity of the air is exceeds %85 or surface temperature and Dew point difference is less then 3 ° C. the recommended method for application is air spray or brush. For air spray application use a Graco#800 gun; a 0.070" or larger fluid tip and a 03-04 air cap, or equivalent equipment. Adjust Fluid and air pressure to get agood spray pattern. For Airless spray, any Graco air, electric or gas operated airless spray capable of 200 Bars and able to support 0.070" to 0.090" tip size can be used. Longer fluid lines and multiple guns require pumps with adequate capacity.

- ✓ Prior to application, rinse equipment with Navimar T-5 thinner.
- ✓ When application is made with conventional air spray, use lowest air pressure that will achieve good atomization in order to minimize overspray.
- ✓ Apply the material in one wet coat overlapping each pass 50%.
- ✓ Special attention should be given to all edges, pits, welds, corners, rivets and all other rough spots to insure complete coverage.
- ✓ When coating in enclosed area, forced ventilation must be utilized to help solvent fumes to be removed from the coating to help coating film to get dry and create safer environment for the worker.

Precaution

Refer to material safety data sheet of the Product. Additional safety information is available up on request. Minimum safety precautions in dealing with the paints are;

- a) Take precaution to avoid skin and eye contact (i.e. gloves, goggles, face mask, barrier creams, etc.)
- b) Provide adequate ventilation
- c) If the products come in contact with the skin, wash thoroughly with lukewarm water and soap or suitable industrial cleaner. If the eyes are contaminated flush with water (minimum 10 minutes) and obtain medical attention at once.
- d) Since these products contain flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.
- e) Observe all precautionary notices on containers.

Note

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