



NAVIMARE-PX
— MARINE & INDUSTRIAL COATINGS —

NAVIPOL 3700 EN

Aliphatic Polyurethane Finish

Catalog Number 369-K-XXXX

FEATURES

- Quick dry, quick service time
 - UV resistant.
 - Easy to apply two component material
 - Good adhesion
 - High abrasion resistance
 - High oil and chemical resistance
 - Durable and flexible
 - Different colors are possible
- Applicable over properly primed surfaces**

RECOMMENDED USES

Navipol 3700 EN is Polyester modified acrylic polyol aliphatic cure polyurethane coating with high gloss, UV resistance and resistant over below described surfaces.

- Finish coat on Internal and exterior areas
- Concrete and hardened concrete substrates
- Power plants
- Chemical process factories.
- Factory passages, industrial floors, crossings.
- Pedestrian entrances,
- Emergency and fire exits.
- Airplane body coat with proper priming.

SPECIFICATION DATA

Coating Type	: Polyester modified Acrylic resin Polyol cured with Aliphatic Polyisocyanates.
Color	: Catalog
Density (at 20°C)	: 1.30 ± 0,5 Kg/Lt.
Packaging Mixing ratio by volume	: 20 Kg (16 Kg base+ 4 Kg Cure) Metal buckets A/B= 12,80 LT/3,70 Lt by Volume
Gloss	: Glossy.
Pot Life (at 25°C)	: 1-2 Hours.
Flash Point	: 30° C. Setaflash mixed
Thinner	: T-9 Thinner
Shelf life	: More than 1 year , Keep it in dry cool area.
Temp resistance	: 121 °C Dry.
VOC	: 419 gr/Lt.
Volume Solid	: %62, v/v
Theoretical spreading rate	: 12,40 m ² /Lt. 50 mic. DFT. on smooth surface. 0,100 Kg/m ² . 50 mic DFT on primed surface. Allow for Application losses.
Application, Recommended Thickness	: Air spray, Airless spray Wet 84 mic. to obtain: 50 mic. one coat.
Drying time	: 20° C. 50 mic DFT. %60 R. Humidity (DFT: Dry film thickness.) Touch dry 2 Hours. To hold 12 Hour. Fully cure 6 Days.

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, substrate must be cleaned according to Swiss standard Sa 2/1/2 blast cleaning method. Acid and alkali rust scale should be neutralized by FWW or %5 ammonia solution. New steel must have surface profile to have key by means of mechanical or chemical etching. Old aged coatings, must be cleaned with water soluble oil emulsifiers and detergents and the rinsed with plenty of water.

Priming, Mixing, Thinning

Navipol 369 coating is a two-component product supplied in two different containers with their proper mixing ratio (17,10Kg/5,40 Kg). The entire contents of each container must be mixed together. Power mix the base portion first to obtain a smooth, homogenous condition. After mixing the base portion, add the converter slowly with continued agitation. After the converter addition is complete, rinse the container with small amount proper PU thinner T-9 and add this rinsing solution into the mix, then continue mixing slowly. It is recommended to wait about 5-10 minutes before application

(25° C) to help eliminate CO₂ and air gas.

Thinning is not normally required or desired, however, at extreme environmental conditions, small amounts (%10 or less by volume) of the solvents on the reverse page can be added depending on local VOC and air quality regulations. Any solvent addition should be made after the two components are thoroughly mixed. The pot life of mixed material is 4-5 hours at 25 C. Higher temperatures will reduce working life of the coating, lower temperatures will increase it. To make an airliners and/or yacht finish thinning is extremely important and the paint musty be thinned to 15 sec. with ford cup, and application must be at two stage 1- cloud coating and 2-after 1 hours waiting time body coat should be applied. (For details contact with NAVI)

Application

Navipol 369 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 Spray Roller or brush. After Properly priming on the substrate, recommended primer for the concrete is Clear Solvent free Epoxy varnish (Navipox SF varnish) and for the steel to use one of the Epoxy A/C primers or Wash primer series.

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 (Preventing Solvent entrapment).

Precaution

Refer to material safety data sheet of the product. Additional safety information is available upon request.

Minimum safety precautions in dealing with the paints are;

- Take precaution to avoid skin and eye contact (i.e. gloves, goggles, face mask, barrier creams, etc.)
- Provide adequate ventilation
- If the product comes 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.
- Since these products contain flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Observe all pre-cautionary notices on containers.

Xn: Harmful for human health F: Flammable. Warning signs: R11, R20/21/22, R36/38

Safety signs: S2, S3/7/9, S16, S20/21, S24/25, S38

Disclaimer

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