



NAVIMARE-PX
— MARINE & INDUSTRIAL COATINGS —

NAVIPOX GLASS COAT GC 4440

FEATURES

NAVIPOX GLASS COAT GC 4440 is a high solids glass flake epoxy coating with outstanding chemical and abrasion resistance.

RECOMMENDED USES

NAVIPOX GLASS COAT GC 4440 is especially suitable for areas facing severe corrosive conditions such as in splash zone areas.

SPECIFICATION DATA

Coating Type	: a high solids glass flake epoxy coating
Color; Gloss	: Red/Semi-gloss
Density (at 20°C)	: 1,34 g/ml
Packaging; Mixing ratio	: 16 lt/ 4 lt; 4/1 by volume
Pot Life (at 23°C)	: approx. 45 min.
Flash Point	: > 25°C
Thinner	: T-10 Thinner
Shelf life	: 1 year if stored at dry and cool places away from direct sun light.
VOC	: approx. 122 g/l
Solid Content	: % 90 ±2 by volume
Theoretical spreading rate	: 3,6-1,6 m ² /l at 250-500 µm DFT
Application Method	: airless spray, brush or roller
Drying time (at 23°C)	: Touch dry:4 hours Dry to handle:16 hours Full Cure: 3 days re-coatable: approx. 12 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, 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 of 30-50 mic. to have key by means of mechanical or chemical etching. May also be used over a range of epoxy primers.

Priming, mixing, thinning

This product supplied in two parts in two different containers with their proper mixing ratio. Add the entire contents converter to the base portion. 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 T-10 Thinner and add this rinsing solution into the mix, then continue mixing slowly.

%10-15 Thinning may be required for automated spray machines.

Application

Navipox Glass Coat GC 4440 can be applied by both conventional air spray and airless spray equipment.

For air spray application,

Use a De Villbiss FF or E with fluid tip of 0.055" 0,070", and air cap with good break-up qualities. Fluid pressure should be kept low, about 1 Bar (15 PSI) with just enough air pressure to get good break-up of coating. Excessive air pressure can cause overspray problems.

Where airless spray equipment is used,

- Graco 30/1 Bulldog or 35/1 Senator or larger pump is recommended.
- Recommended tip size is A 0.017 "-0.019" and provide good spray pattern. Liquid pressure on tip is about 180-250 Kg/cm².
- For optimum results fluid hoses should be 3/8" ID or larger with a maximum length of 15 m. except short whip end before the gun. Longer hose length or cold temperatures may require an increase in pump ratio and/or thinning.

Navipox Glass Coat GC 4440 may also be applied by brush or roller for small areas. Care should be taken that proper and uniform thicknesses are obtained. Epoxy paints may change color and chalk when exposed to direct sunlight.

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;

- 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 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.
- d) Since these products contain flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Observe all precautionary notices on containers.

Disclaimer

This is not a specification and all information is given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated, the manner of use and whether there is any infringement of patents is the sole responsibility of the user. Manufacturer does not assume any liability in connection with the use of the product relative to coverage, performance or injury. For application in special conditions, consult Navimare-PX. for detailed recommendations