



NAVIMARE-PX
— MARINE & INDUSTRIAL COATINGS —

Navipox 188 SF
%100 Solids Epoxy
Catalog Number: 188-K-0000

FEATURES

%100 v/v Solid coating

- Can be applied with standard heavy duty airless spray equipment
- Provides hard, smooth surface with a low coefficient of friction.
- High impact and abrasion resistance
- Excellent resistance to water, chemicals and solvents
- Excellent adhesion to abrasive blasted steel.

RECOMMENDED USES

Navipox -188 coating, is recommended as a hull coating for ice breakers and other vessels cruising through ice laden waters.

Any steel surface subject to:

- Severe impact
- Abrasion
- Mechanical damage

SPECIFICATION DATA

Coating type	: Advance technology Epoxy
Color	: Dark Grey(188-K-2968), Black (188-K-9903)
Density (20°C de)	: 1,77 kg/Lt.
Packaging	: A Component: 14.90 Lt in 20 Lt' Metall cans B Komponenti : 5.17 Lt. İn 10 Lt' Metall cans
Mixing ratio	: 3/1 by volume
Gloss	: High Gloss
Flash Point	: 93° C Setaflash
Thinner	: Thinning is not recommended..
Temperature resistance	: 121° C Dry
Shelf Life	: More then 1 year
Theoretical spreading rate	: 4 m²/Lt. 250 mic DFT
Volume Solids%	: %100 (Modified ASTM D2697)**
VOC	: 0.00 g/Litre.
Pot Life	: 2 Hours (at 20°C')
Recommended film thickness	: To obtai 200-250 mic. DFT apply 200-250 mic WFT Two coats recommended
Method of application	: Airless spray
Drying Time Potlife and drying time is dependent on temperature and quantities mixed	: 21° C , %50 RH de. 250 mic DFT. Touch dry : 10 Hrs Recoating: 16 Hrs Fily cured : 22 Hrs .

APPLICATION GUIDE

Surface preparation

All surfaces must be free of oil, grease and moisture before blasting near white metal equivalent to Steel structures painting council SP-10 or Swedish standard Sa 2½. The steel profile after blasting should be 50 mic. minimum in depth and be off a jagged nature in oppose to peen pattern. Surfaces must be free of grit dust. Primer or first coat of the system should be applied to clean surfaces as soon as possible to prevent re-rusting or contamination. For areas where sandblasting cannot be accomplished, hand clean, preferably with power disk sander, to bright, non-polished metal, before applying first coat, be sure that all surfaces are free from contamination.

Mixing Thinning

Navipox 188 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, then continue mixing slowly several minutes. The pot life of mixed material is 2 hours at 20 °C. Higher temperatures will reduce working life of the coating, lower temperatures will increase it.

Application

To apply **Navipox 188** Airless spray equipment is recommended,

- Graco 45/1 Bulldog or larger pump is recommended.

- Recommended tip size is A 0.023 "-0.029" 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.

Pre-warm Navipox 188 coating to 25°C so as not to require thinning. **Navipox 188** may also be applied by brush or roller. Care should be taken that proper and uniform thicknesses are obtained.

Do not allow coating to remain in the application equipment longer than 2 hours. Flush out all application equipment whenever there is a delay in application.

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 precautionary notices on containers.

Note

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