

FEATURES
Excellent water immersion resistance

- Primer and Intermediate coating, thixotropic

Excellent chemical resistance

- Alkali, dilute acids, sewage

Durable hi build film properties

- Abrasion resistant
- Cures down to -5 ° C
- Fast dry-to-recoat
- Applicable up to 500 microns without sagging.

Excellent package stability

- Good Cure response.
- Self priming
- Standard Red Brown buff colors and Black.
- Design to create no harm fwhen contacting potable water.

RECOMMENDED USES

Navipox SF90 meets the BS 6920 Part 1&2 criteria . It is design for application on pipelines, water tanks internals to provide corrosion resistance against fresh and salt water. **Navipox SF90** has good chemical resistance, water resistance and mechanical durability. It has good adhesion on properly prepared carbon steel, concrete and composite substrates. After application; cured coating of **Navipox SF90** has high durability against corrosion, abrasion, friction of mineral oils and various chemical materials, as well as continuous immersion in sea water and fresh water conditions.

- Ships, barges, docks, offshore structures
- Pipes lines , concrete structures, flumes
- Food stuff storage facilities.
- Sewage and waste plants
- City water transportation pipe line systems.
- Refineries
- Inner surface of potable water pipes

SPECIFICATION DATA

Coating Type	: Polyaminoamide technology Epoxy
Color	: Red-Brown 221-K-7821, Desert Sand 223-K-1046, and Black
Density (at 20°C)	: 1,28±0,1 Kg/Lt. ISO 2811-1
Packaging Mixing ratio by volume	: Base 11,60 Lt. (16 Kg.)/ Hardener 6,40 Lt. (8 Kg.) Two Component.)
Gloss	: 70-80 Gloss
Pot Life (at 25°C)	: 1/2 Hours.
Flash Point	: >100° C. Setaflash mixed
Thinner	: T-10 Thinner
Shelf life	: More than 1 year , Keep it in dry cool area.
Temp resistance	: 121 °C Dry.
VOC	: 0, gr/Lt.
Volume Solid	: % 100 +-2 ASTM D2697 (7Days)
Theoretical spreading rate	: 5,00 m²/Lt/200 mic. DFT 200 mic WFT Allow for Application losses.
Application	: Air spray, Airless spray
Drying time	: 20 °C , %50 RH de. 50 mic. DFT. Recoatable 12-14 Hours Fully cured 7 Days.

Application Properties

Surface preparation

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Where necessary, remove weld splatter and smooth weld seams and sharp edges. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

This product must only be applied to surfaces prepared by abrasive blast cleaning to Sa 2 1/2 (ISO 8501- 1:2007) or SSPC SP10. Steel profile after blasting should be a 75-100 microns in depth and be of jagged nature sharp, angular surface as oppose to peen pattern. **Navipox SF90** must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidized area should be re-blasted to the standard specified above.

Priming, mixing, thinning

Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

(1) Agitate Base (Part A) with a power agitator.

(2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.

At temperatures below 21°C (70°F) it is recommended that Navipox SF90 is allowed a 5 minute induction period after mixing, prior to commencing application.

Navipox SF90 can be applied by airless spray methods, however, the preferred method of application is with heavy – duty plural feed airless spray with heated tanks and separate feeding hoses. For airless application, a 45:1 Graco Bulldog or larger is recommended. Tip sizes from 0.023 to 0.029 and total output fluid pressure at spray tip not less than 211 kg/cm² (3000 p.s.i.) will provide a good spray pattern. For optimum results, fluid hoses should be 3/8 " ID or larger with a maximum length of 15 m. Longer hose length or cold temperatures may require an increase in pump ratio and/or thinning. **Navipox SF90** may also be applied by brush or roller. Care should be taken that proper and uniform film thicknesses are obtained. Thinning is not recommended.

After it's application, Navipox SF90 is recommended to cure

7 days & 25 °C to help prevent unwanted odour and flavour from the transported potable water.

It must be taken into account that, there can be 10-15% thickness difference between the wet film and dry film thickness. It is very important for the safety of the applicator and the proper performance of the Navipox SF90 coating that good ventilation be provided to all portions of the enclosed area (Voids etc). It is equally important to bring into the enclosed area dry, fresh air to remove all solvent vapors. Since all solvent vapors are heavier than air, ventilation ducts should reach to the lowest portion of the enclosed areas as well as into any structural pockets. Ventilation should be provided throughout the cure period to insure all the solvents are removed from the coating. For potable water tanks, it is essential that full ventilation be maintained for seven days.

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;

- Take precaution to avoid skin and eye contact (i.e. gloves, goggles, face mask, barrier creams, etc.)
- Provide adequate ventilation
- 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.
- 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.

Physical Hazardous Warnings: H315: Causes skin irritation. H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.

Safety Hazardous Warnings:

P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P273: Avoid release to the environment. P405: Store locked up. P501: Dispose of contents/container to local regulation.

Note

To the best of our knowledge, the information contained herein is accurate. However, SAFIR Epoxy paint company, assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any information or material for the use contemplated, the manner of use and weather there is any infringement of patents is sole responsibility of the user. Additional information may be obtained through your local sales representative, or the NAVIMARE-PX.

Navimare-PX

Ferhatpaşa Mah. 31. Sok. No:31-35 Ataşehir/ Istanbul.

Tuzla-ISTANBUL

Tel : 0216-540 6703-04

e-mail : info@navimare-px.com

Web : www.navimare-px.com