

FEATURES
Excellent water immersion resistance

- Intermediate coating, thixotropic,
- where protection of steel structures are more important than esthetic appearance can be use as top coat.

Excellent chemical resistance

Alkali, dilute acids, sewage

Durable hi build film properties (Wet 150-300 mic)

- Abrasion resistant
- Cures down to 5 ° C

Excellent package stability

- Good Cure response.
- Standard Red Brown and buff colors Black.

RECOMMENDED USES

Navipox-510HS, is modified polyamide cured epoxy coating consisting of low VOC and it is high solid two component coating. Due to have high amount of Zinc Phosphate in their structure, this surface tolerant coating has also had good anticorrosive properties as well as excellent adhesion on properly prepared substrates.

- Ships, barges, docks, offshore structures
- Steel structures, flumes, machineries

Chemical resistance

- Sewage and waste plants
- Fertilizer plants
- Refineries, factories located on Industrial zones

Chemical Resistance

- Chemical storage facilities, Jetty piles external surfaces

SPECIFICATION DATA

Coating Type	: Polyamide technology Epoxy
Color	: Red-Brown 221-K-7821, Desert Sand 223-K-1046, Black
Density (at 20°C)	: 1,45±0,1 Kg/Lt.
Packaging Mixing ratio by volume	: Base 14,3 Lt. (20 Kg.)/ Hardener 3,80 Lt.(4 Kg.) Two Component.)
Gloss	: Matt
Pot Life (at 25°C)	: 2-3 Hours.
Flash Point	: 25° 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	: 220 gr/Lt.
Volume Solid	: % 75 +-2 ASTM D2697 (7Days)
Theoretical spreading rate	: 5,00 m²/Lt/150 mic.DFT 200 mic. WFT 3,75 m²/Lt/200 mic. DFT 266 mic WFT Allow for Application losses.
Application	: Air spray, Airless spray, Brush
Drying time	: 20 °C , %50 RH de. 50 mic. DFT. Recoatable 12-14 Hours Touch. 2-3 Hrs. Fully cured 7 Days.

Application Properties

Surface preparation

Surfaces must be dry, clean, free of oil, grease, form release agents, curing compounds, laitance, other foreign matter and be structurally sound. Remove all loose paint, mortar spatter, mill scale, and rust.

New Surfaces:

Abrasive blast to near-white metal surface cleanliness in accordance with SSPC-SP10 or ISO8501-

1:2007 Sa2.5. Blast profile on steel should be at least 2 mils (50 microns) in depth and be of a sharp, jagged nature as opposed to a "peen" pattern (typically obtained in shot blasting). Remove all dust, debris and blasting medium.

Previously Painted Surfaces

Navipox 510 HS normally is not recommended for application to existing coatings. Please consult Safir Epoxy Technical representative.

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.

Navipox 510 HS can be applied by airless spray equipment.

For air spray application,

Where airless spray equipment is used, - Graco 30/1 Bulldog or 35/1 Senator or larger pump is recommended.

- Recommended tip size is A 0.021 "-0.027" 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 510 HS may also be applied by brush or roller. Care should be taken that proper and uniform thicknesses are obtained. Antifouling paints should be applied over Navipox 510 HS when the Navipox 510 HS becomes tack free but still soft to finger pressure. Epoxy paints may change color and chalk when exposed to direct sunlight. It is recommended to use tie coat (ex. Navipox TC 206) before commencing antifouling paint application on UW area of external hull.

Tank coating system: 2 F/C of 100-200 mic DFT per coat plus 2 Stripe coats over sharp edges, cut-outs and welds. Use contrasting colors for each coat and stripe coat.

Ventilation

It is very important for the safety of the applicator and the proper performance of the Navipox 510 HS 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.

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

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

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.