

Pavex Marine Paint

Water-based copper coating



Description

- High solids, aqueous dispersion coating for use on the hull of vessels and submerged marine structures.
- It prevents the formation of marine scale without polluting the marine environment.
- The antifouling power of metallic copper has been known for many years.
- Nowadays copper plating is neither cost-effective nor practical.
- Pavistamp has achieved the application of metallic copper in liquid form.

Properties

- Relative humidity: <70%.
- Forms a high purity metallic copper coating insoluble in water.
- Prevents marine scale growth.
- Saves energy by preventing fouling.
- Properly applied its life is more than 5 years.
- Saves on maintenance, labor, dry docking, crane, etc.
- Easy repainting in case of eventual retouching due to accidents, etc...
- Easy cleaning of the application tools using water.
- Environmentally friendly. No emissions of volatile solvents.

Characteristics

	Comp.	Comp.	Comp. C	Mix
Appearance	Liquid	Liquid	Copper powder	Paint
Color	Yellowish	Colorless	Copper	Copper
Specific gravity	3,5 gr./cm³	-	-	-
Viscosity	Tixotrópico			
Gloss	Mate			
Mixing ratio in	10,15	4,59	85,26	100
Mixing ratio in	3 vol.	1 vol.	4 vol.	8 vol.
Per life a 20°C	±20 minutes			
Dry to recoat	±4 hours			
Total dry	±24 hours			
Total polymerization	≥7 days			
Approximate consumption	1 Kg/m2 in2 passes			

Instructions for use

Surface preparation (on polyester and metal)

The surface to be treated must be free of any existing paint, leaving the surface free of grease, dust, clean and dry. The treatment can be carried out by sandblasting, scraper or abrasive disc 40 or 60 grit.

Application of the protective system on polyester.

Apply 2 coats of **Pavex-WS flexible**.

Mixing ratio by weight: - 75.74 parts component A

- 24.26 parts component B- Pot life: ±1 hour

- Consumption in 2 coats: ±2 m2/Kg

Application of the protective system on metal

Apply 2 passes of **Pavex 85-15 primer** Mixing ratio by weight:

- 85 parts component A

- 15 parts component B

- Pot life: ±6 hours

- Consumption in 2 passes: 5-7 m2/Kg

While this 2nd pass is still mordant (±7-12 h. interval), apply one pass of Pavex waterborne epoxy marine paint (A+B).

Mixing ratio by volume:- 3 parts component A

- 1 part component B

Add 10-15% water if necessary.

After 0.5-1 h. after applying **Pavex marine paint (A+B)** and being transparent and tacky, apply a first coat of **Pavex marine paint (A+B+C)**.

It is preferable to mix well the three components by means of a mechanical stirrer. Start mixing **components A+B**, and then add **component C** slowly and with continuous mechanical agitation. It is recommended to carry out small mixtures in volume

Mixing ratio in Volume:

- 3 parts Component A

- 1 part Component B

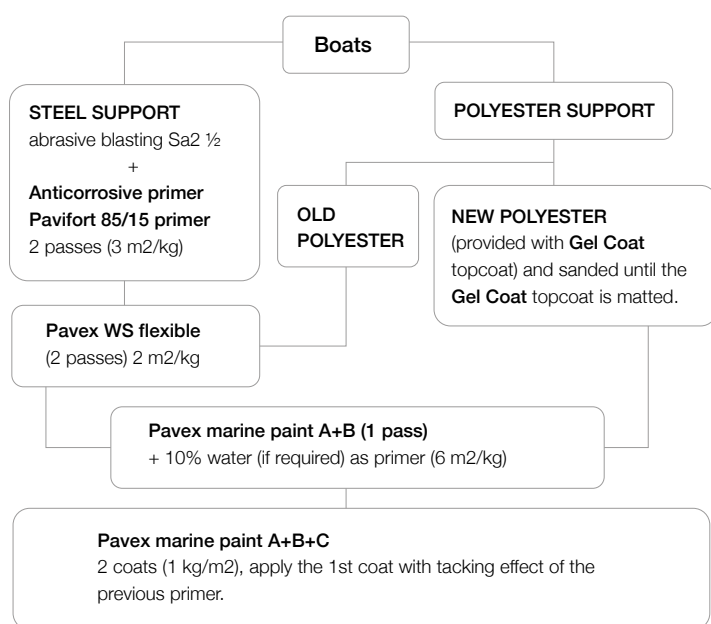
-4 parts Component C

Apply preferably using a short nap roller. Apply by stirring the mixture **A+B+C** periodically, in order to ensure a good homogenization of the product before applying, if necessary it can be diluted with 5% of **Pavex marine paint thinner**. It is not advisable to recoat to obtain total coverage in the first pass. After ±4 hours the second coat can be applied to obtain the desired final finish.

In the case of metallic surfaces, a **Pavex 85-15 anticorrosive primer** should be applied in 2 coats before the application of the protective system. It must pass between 2 and 6 days minimum, before introducing the boat in the water and if it is required to keep it dry until the next year it can be done without any problem.

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Observations

- It is recommended that a minimum of 4 hours and a maximum of 24 hours elapse between successive coats of **Pavex marine paint**.
- To adjust viscosity, depending on the application method, a maximum of 15% isopropanol or **Pavex marine paint thinner** can be added.
- If there are metal parts on the hull (hull bushings, anodes, grounding plates, etc.) that are connected to the negative pole of the battery or have electrical leaks, in all metallic copper-based paints, an aura forms around them over time in which the copper loses its green color and therefore reduces its antifouling resistance, so it is advisable as a precaution to leave about 4 cm. without painting with copper, protecting this area with the same antifouling agent used on the propeller. This area should also be re-painted during the annual maintenance.
- The performances are calculated on smooth and non-absorbent surfaces.
- The Pot Life of the mixture depends on the temperature and quantity of the mixture.

Precautions

- Avoid prolonged contact with skin.
- Avoid splashing the product in the eyes.
- It does not contain solvents so any spillage should be rinsed immediately with plenty of water.

! IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.

