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TECHNICAL DATA SHEET

REV.4 31/07/2025

EPOSTHAL

DEFINITION

Two-component, solvent-free epoxy putty suitable for all filling and repair needs in industrial, marine, and automotive sectors.
Thanks to its chemical nature, it adheres to a wide variety of substrates, including carbon fiber. It can be applied in high thicknesses without shrinking or print-through.
Its high thermal resistance makes it particularly suitable for overcoating with powder coating systems.
It also offers excellent resistance to chemical agents such as oils, solvents, acidic and alkaline solutions.
Fields of application:

- Filling and repair of carbon fiber substrates;
- Reparation before powder coating of items such as car bonnets, doors and other bodywork parts; punctures and blowholes in cast iron and aluminum item; joints of metal ducts, tanks, containers and radiators;
- Substitution of welding in hazardous environments.

CHARACTERISTICS

Part A: Epostahl - Part A

- Appearance: rough, coarse grain
- Color: light grey
- Density: 1,80 g/cm^3 ± 0.05

Part B: Epostahl - Part B code 10492-10489

- Appearance: smooth, fine grain
- Color: white to yellowish
- Density: 1,68 g/cm^3 ± 0.05

Ready-to-use product:

- Chemical nature: epoxy resin
- Appearance: rough, coarse grain
- Color: light grey
- Density: 1,78 g/cm^3 ± 0.05

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

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SUBSTRATE PREPARATION

Surfaces must be perfectly clean, dry, and degreased. Sand the substrate thoroughly to remove any traces of paint. Ensure surfaces are completely dry before applying the product.
Due to the wide variety of materials and application conditions, preliminary compatibility tests are recommended before application.

PREPARATION OF THE MIXTURE

Mix 3 parts by weight of component A with 1 part by weight of component B.

POT-LIFE

At 20°C: 90 ± 5 minutes

APPLICATION

Apply with a spatula.
Do not apply at temperatures below 10°C.
Once hardened, the product can be sanded, filed, drilled, and machined with standard tools.

SANDING

Minimum sanding time:

- Air drying at 20°C: 6 hours
- With IR lamp (P = 1 kW, distance = 40 cm): 10 minutes
- Oven drying at 120–140°C: 15 minutes

Sanding sequence:

- Powder coating cycle: P120–150, finish with P220
- Standard cycle: P80–P120–P150

OVERPAINTING

Suitable for overcoating with powder coating systems.
Given the variety of painting systems and application conditions, it is recommended to carry out preliminary tests to verify the compatibility of the chosen paint system with the applied product.
Each cycle should be evaluated in advance, as the variables involved can significantly affect the final result.

STORAGE

Store the product in a dry place, protected from direct sunlight, at temperatures between 5°C and 30°C.

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