

EPOXY-TAR SS400

TWO-COMPONENT EPOXY-COAL TAR
PROTECTIVE COATING



DESCRIPTION

EPOXY-TAR SS400 is a two-component epoxy-coal tar coating based on epoxy and hydrocarbon resins. It is characterised by excellent curing properties even at low temperatures and very good dielectric performance. The product allows the application of high-build protective coatings with a limited number of coats.

Formulated with solvent-free liquid epoxy resins, non-carcinogenic synthetic coal tar and selected fillers, EPOXY-TAR SS400 cures through reaction with an epoxy-polyamine adduct. The resulting coatings provide outstanding resistance to aqueous solutions, both acidic and alkaline. Thanks to the absence of solvents, the cured film is virtually free of porosity, ensuring excellent chemical resistance and durability.

FIELDS OF APPLICATION

- Metal substrates requiring electrical insulation;
- Protective treatments on metal surfaces;
- Protective treatments on concrete surfaces, including fibre-reinforced systems;
- Protection of tanks, pipelines and sluice gates immersed in water;
- Wastewater treatment plants for civil and industrial use;
- Port and marine installations;
- Coating of storage tanks and cisterns;
- Buried steel structures and metal carpentry;
- Biogas plants.

PRODUCT DATAS

Component system	Two-component
Mixing ratio (by weight)	Component A + B = 10 : 1.2
Specific weight	1.35 kg/L
Viscosity	Thixotropic
Volume solids	≈ 92%
Weight solids	≈ 95%
Dilution	5% with suitable solvent
Pot life	4-6 hours
Application temperature	+10 °C to +30 °C
Drying time	Dry to touch: approx. 2 h; through curing: 12-48 h
Weather resistance	Good
Temperature resistance	Up to 150 °C
Chemical resistance	Good

CONSUMPTION

Approx. 0.35 kg/m² applied in one coat. Consumption doubles when the coating is reinforced with fibreglass or synthetic fabrics.

Consumption values are based on roller application on smooth substrates in good condition. Highly porous substrates, temperature and application methods may affect actual consumption.



Date 15/10/2025

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COLOURS

- Black

PACKAGING

Metal tins or plastic pails:

- 16.8 kg kits (15.0 kg component A + 1.8 kg component B).

APPLICATION SUBSTRATE PREPARATION

Application on concrete or cementitious substrates

Prepare the substrate by removing all loose or friable material by light sandblasting or high-pressure water cleaning. In case of severely deteriorated concrete, carry out deep sandblasting.

Remove all dust residues. Apply PRIMER PU-S for impregnation and consolidation, if required. EPOXY-TAR SS400 may also be applied directly onto cementitious substrates.

Repair surface irregularities using suitable epoxy repair mortars. After 12–48 hours, apply one coat of EPOXY-TAR SS400 prepared according to the mixing procedure. If reinforcement is required, apply a layer of epoxy mortar to embed the fibreglass fabric, then apply two coats of EPOXY-TAR SS400.

Application on metal substrates

Correct surface preparation is essential. Substrates must be clean, dry and free from contaminants. Remove poorly adhering old coatings and roughen the surface by mechanical abrasion. Remove any surface rust and thoroughly degrease galvanized steel.

MIXING

Mix component A thoroughly before use, then add component B according to the specified mixing ratio. Mix using a low-speed mechanical mixer for 3–5 minutes until a homogeneous blend is obtained. Ensure careful mixing along the sides and bottom of the container.

PRODUCT APPLICATION

Apply EPOXY-TAR SS400 by roller, brush or airless spray until complete surface coverage is achieved. Apply the product in two coats.

WARNINGS

- Do not apply on wet substrates;
- Substrate moisture content must be below 5%;

STORAGE

Store the product in its original, unopened and undamaged containers in a dry place, away from heat sources, at temperatures between +5 °C and +25 °C. Shelf life: 12 months.

HEALTH AND SAFETY

Refer to the latest Safety Data Sheet for instructions on handling, storage and disposal. Do not release product or empty containers into the environment.

For **PROFESSIONAL USE ONLY**.



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PRODUCT SHEET

LEGAL NOTICE

The information and recommendations given above, although they correspond to our best experience, must in any case be considered purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone who intends to make use of it must determine whether it is or is not suitable for the intended application and, in any case, assumes all responsibility that may arise from its use. Always refer to the latest updated version of the technical data sheet, available on the website btechitalia.eu.



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