

Torggler

Waterproofing

EMULSIONE EPOSSIDICA 723

Protective, water-based, type C, two-component epoxy resin paint, according to EN 1504-2.



- Water-based (solvent-free and non-flammable)
- High abrasion resistance
- Good resistance to chemical agents



APPLICATION AREAS

Emulsione Epossidica 723 is suitable for:

- Internal coating of concrete tanks:
- Thin-film flooring of garages, basements, cellars, fuel storage rooms, warehouses, laboratories
- Protection of walls (e.g. skirting board) of production departments in the food industry, dairies, breweries, wineries, battery rooms, mechanical workshops, etc.
- Waterproof coating of concrete retention basins provided for by current legislation for the collection of fuel tank spillages
- Protection against salt mist (e.g. walls, curbs, beams, basements, batteries, etc.)
- Protection against acids of wells, pipes, channels, clarification tanks, etc.

TYPES OF SUBSTRATE

Emulsione Epossidica 723 features an excellent adhesion to cement substrates and all other porous mineral substrates (lime, hydraulic lime, gypsum, brick, ceramic, natural stone, etc.). It can also be applied on damp surfaces.

FEATURES

Emulsione Epossidica 723 is a protective, water-soluble, two-component epoxy resin paint. Its hardened film offers a high abrasion resistance and is completely odourless. Emulsione Epossidica 723 is a protective coating (type C) for the surfaces of concrete structures in conformity with EN 1504-2, which can be used according to the following principles of EN 1504-9: Protection against the risks of penetration (principle 1), moisture control (principle 2) and increased resistivity (principle 8).

WARNINGS

- Application of Emulsione Epossidica 723 at temperatures below +10 °C is not recommended.
- If stored for more than one day at temperatures below approx. +15 °C, component B may appear coagulated due to the effect of crystallisation of the epoxy resin it contains. This phenomenon does not constitute a defect and can be easily eliminated heating the affected containers to +40 °C overnight. The product must be stored at temperatures above + 15 °C.

INSTRUCTIONS FOR USE

Preparation for use

The substrate must be solid, free of loose particles and cement dust, clean and regular.

Product preparation

Intimately mix the two pre-dosed components into their original containers for a few minutes then pour component B into component A until a perfectly homogeneous mass is obtained. The mixed product remains workable for approx. 60 minutes.

Instructions for use

Epoxy Emulsion 723 is applied by brush, roller or spray (airless) at temperatures above +10 °C.

It is recommended to apply at least three coats of not less than 150 g each, waiting for the time necessary for the water to evaporate (approx. 2 hours at 20 °C) between two subsequent coats.

The paint can be diluted for spray application. In this case add up to 10% water to component A and shake well. Then mix the 2 components. If used indoors provide for an adequate ventilation. The film applied must be protected in the first 6 hours from rain and accidental contact with water, so as to prevent re-emulsification and washing off.

Cleaning

The tools must be cleaned with water, preferably hot, as soon as the work is finished. If the application lasts many hours, it is recommended to roughly clean the brush, roller or gun every 2 hours. It is possible to repaint an old coating of Emulsione Epossidica 723 after sanding it.

WAITING TIMES

It can be walked on about 24 hours after application at 20 °C, while complete hardening is achieved after seven days.

TECHNICAL SPECIFICATIONS

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| Appearance | component A: viscous liquid, component B: liquid |
| Mixture colour | Ivory (indicatively RAL 9016)*, Grey (indicatively RAL 7004)*, Red (indicatively RAL 3011)* |
| Mixing ratio | C. A : C. B = 81:19 |
| Density of mix A+B (UNI 8490/2) | 1.1 g/ml |
| Application temperature | from +10 °C to +50 °C |
| Maximum operating temperature | 80 °C |
| Pot life (EN ISO 9514) | at 20 °C: approx. 60 minutes |

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|--|---|---|
| Resistance to rain | at 20 °C: after approx. 6h | |
| Progression of hardening – Shore hardness (EN ISO 868) | Shore A/15 at 23 °C: after 24 h: 6, after 3 days: 20, after 7 days: 90, can be walked on after 24 h | |
| Parameter | Value | EN 1504-2 limits/classes |
| Adhesion by pull-off test (EN 1542) | 4.2 N/mm ² | >1.5 N/mm ² (high traffic), >0,8 N/mm ² (no traffic) |
| Permeability to CO ₂ (EN 1062-6) | S _d = 286 m (thickness = 200 µm) | >50 m |
| Capillary absorption (EN 1062-3) | 0.003 kg/m ² h ^{0.5} | <0.1 kg/m ² h ^{0.5} |
| Permeability to water vapour (EN ISO 7783-1) | S _d = 14.5 m (thickness = 200 µm) | Class II |
| Impact resistance (EN ISO 6272) | Class I | No cracks and flaking |
| Resistant to chemical agents | Good resistance to diluted acids and alkalis, mineral oils, water, fuels, salt solutions. | |

* the indications concerning the RAL value are to be understood only as references, as epoxy resins, when exposed to UV rays, tend to yellow.

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| Color | Grey, Ivory, Red |
| Bicomponent | 2 components |
| Packaging | bucket |
| Packaging size | 4x3 kg |

CONSUMPTION

The consumption of Emulsione Epossidica 723 is approx.150 g/m² each coat, for a total of 400-800 g each m².

STORAGE

When stored at a temperature between +15 °C and +30 °C in its original sealed packaging Emulsione Epossidica 723 is stable for at least 18 months. PROTECT FROM FROST.

| Classification according to EN 1504-2 | |
|---------------------------------------|--|
| Types | |
| H | Hydrophobic impregnation |
| I | Impregnation |
| C | Coating |
| Principles | |
| PI | Protection against penetration risks |
| MC | Moisture control |
| PR | Physical resistance/surface improvement |
| RC | Resistance to chemical agents |
| IR | Increased resistivity by limiting moisture content |

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