



This product has been granted the European conformity mark **CE** (System 2+)

PRODUCT No.: 1.779

TECMA PAINT® ECOPOX WATER-BASED EPOXY PAINT

DESCRIPTION:

A water-based epoxy paint for the protection of surfaces, highly resistant to washing, oils, grease, water-based solutions, impacts and abrasions. This is a coating that can be diluted in water and is free from harmful smells or fumes. It is highly suitable for painting floors and walls in places where the use of solvents is not recommended.

USES:

As a coating for walls and floors in hospitals, milking-parlours, dairies, food processing factories, the food industry, car parks, workshops, industrial buildings, warehouses, etc.

CHARACTERISTICS:

Nature	Water-based epoxy polyaniline
Thinner	Water
Application	Brush, roller
Temperature of application	from +15 to +30°C
Surface drying time	To touch 4 hours, to recoat minimum 8 hours, maximum 4 days
Theoretical performance	7 m ² /kg for a dry film thickness of 50 µm
Water vapour permeability (EN ISO 7783-1/-2) (Equivalent air barrier)	S _D < 5 metres Class I (EN 1504-2) Permeable to water vapour < 0.1 kg/m ² .h ^{0.5}
Water permeability (EN 1062-3)	Water impermeability (EN 1504-2)
Permeability to CO ₂ (UNE-EN 1062-6:2003)	S _D > 50 metres
Adherence on a concrete structure (EN 1542)	3.8 MPa (A=100%)
Abrasion resistance (UNE-EN-ISO 5470)	< 600 mg
Dangerous substances (EN 1504-2)	Complies with section 5.3 of standard EN 1504-2
Reaction to fire (UNE-EN ISO 9239-1:2000 and UNE-EN ISO 11925-2:2002)	Bfl-s1
Resistance to chemical products (UNE-EN 13529)	Class II- H ₂ SO ₄ 20%; NaOH 50%; HCl 35%; non-oxidant inorganic salt solutions pH 6-8, inorganic bases and their alkaline salts pH>8, except hypochlorite and ammonium salts. Inorganic acids up to 20% and their salts except hydrofluoric acid and oxidant acids. Used motor oil. Class I: Xylene; White-Spirit e.g. 150/200; Aromatic Naphtha e.g. 160/200
Colours	Consult colour chart

ACCREDITATIONS:

This product has been granted the European conformity mark **CE**: this product complies with standard **EN 1504-2 (System 2+)** and with European construction products regulations.

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SURFACE PREPARATION

Surfaces must be clean, dry and free from grease, oil, dust, loose grout etc.

Cement or concrete surfaces must be allowed to set completely and no paint should be applied until at least 28 days after the concrete or the cement has been laid down. Surfaces that are not rough or porous must be roughened by mechanical means, preferably, or by applying our chemical remover such as our **DESCA 2F** product. Afterwards, rinse the surface with plenty of water in order to eliminate any product residue. Iron or steel surfaces must be primed in advance using an epoxy or other compatible primer such as **TECMA PAINT® OX**.

INSTRUCTIONS:

Stir the contents of the base component. Continue stirring and gradually add the contents of the catalyst container. Continue stirring until a uniform blend is obtained.

On concrete and cement surfaces dilute the first coat with 10-15% water, depending on the porosity of the surface. As a coat of primer you can also use **TECMA PAINT ECOTRANS** diluted with 30-35% water or **TECMA PAINT A-H**.

After at least 8 hours, at 20°C, apply the second coat undiluted.

On iron and steel surfaces, apply the undiluted product to the primed surface.

SPECIAL RECOMMENDATIONS:

- Cement and concrete surfaces must be completely dry before applying **TECMA® PAINT ECOPOX**.
- Do not apply when the temperature falls below 15°C
- Do not apply when the relative humidity is greater than 80%, or when the surface temperature is less than 3°C above dew point.

PACKAGING AND STORAGE:

Available in 12kg net, ready-to-use, pre-dosed packs (base + catalyst). Store in areas protected from frost. The product can be stored in hermetically-sealed original containers for 1year.

The information contained in this technical specifications sheet, together with our advice whether verbal or written or given during tests carried out in our in-house laboratories or in external laboratories, is given in good faith and is based on our experience and on the results of such tests. Such information and advice does not however constitute a warranty. Before using the product, the user should be fully aware of how it should be applied and preliminary tests should be carried out should there be any doubts as to the suitability of the product for any work or application. Our recommendations do not exempt the user from this obligation. The application, use and handling of our products are beyond our control and are therefore the responsibility of the user. The person who makes use of the product and who does not observe the instructions contained hereinabove shall be responsible for his or her own actions.

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