

Product with European conformity mark (System 2+) PRODUCT No.: 1.935

TECMA PAINT® EP-SD HEAVY THICKNESS EPOXY COATING

DESCRIPTION:

100% solid epoxy coating designed for the protection of horizontal surfaces, with excellent resistance to washing, oils, greases and aqueous solutions, impact and abrasion. It is a solvent-free coating with a heavy thickness per layer (200-250 microns) and is very suitable for floor protection.

FIELD OF APPLICATION:

As floor covering in slaughterhouses, car parks, workshops, industrial warehouses, storehouses etc. Due to its low odour it can be applied in food factories, the food industry, although it is advisable to check the work conditions before its application.

CARACTERISTICA:

Nature	Epoxy polyamine
Content of solids by weight	100%
Mixing ratio by weight	Base 100/Endurecedor 32.5
Application	Brush, roller
Application temperature	From +10 to +30 °C
Surface drying time 22°C	Dry to touch 4 hours, repainted 8 hours minimum, 24 hours maximum.
Total curing at 22°C and 55% H.R.	7 days
Theoretical coverage	4 m ² /kg at 200 µm dry film thickness
Permeability to water vapour (EN ISO 7783-1/-2) (Equivalent Air Barrier)	S _D > 50 metros Class III (EN 1504-2) Impermeable to vapour water
Water Permeability (EN 1062-3)	< 0.1 kg/m ² .h ^{0.5} Impermeable to water (EN 1504-2)
Permeability to CO ₂ (UNE-EN 1062-6:2003)	S _D > 50 metros
Adhesion to concrete substrate (EN 1542)	≥2.0 N/mm ² (A=100%) (Concrete breakage)
Abrasion resistance H-22 disc (UNE-EN-ISO 5470)	< 3000 mg
Flextraction resistance (EN 196-1 y EN 12190:2008)	>336 kg/cm ²
Compression resistance (EN 196-1 y EN 12190:2008)	>774 kg/cm ²
Dangerous substances (EN 1504-2)	In accordance with section 5.3 of the regulation EN 1504-2
Resistance to chemicals (UNE-EN 13529)	Class I- H ₂ SO ₄ 20%; NaOH 50%; HCl 35%; non-oxidizing 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 oxidizing acids. Used motor oil; Xylene; White-Spirit e.g.150/200; Naphtha Aromática e.g. 160/200
Colours	Consult color chart

ACCREDITATIONS:

Product with the European conformity mark CE : product in compliance with the European standard EN 1504-2 (System 2+) and the European standard on construction products.

SURFACE PREPARATION:

Surfaces must be dry and free of grease, oil, dust, loose grout, etc. On mortar or concrete surfaces, allow full setting and do not paint until at least 28 days after concrete or cement has been applied. Surfaces should be roughened by mechanical means, sanding, shot blasting, etc. to provide roughness and open the pores. It is very important to remove the grout layer to obtain a firm and resistant surface. Apply a coat of primer with **TECMA PAINT-AH** or **TECMA PRIMER AT**, with a yield of 4-5 m²/kg depending on the absorption and roughness of the substrate.

INSTRUCTIONS FOR USE:

Remove the contents of the Base component container with a low revolutions mechanical agitator. Add slowly and in continuous agitation, the content of the Hardener component package, being careful to not introduce air. Scrape the walls of the base plate with a spatula to remove the product. Continue stirring until completely homogenized. It is preferable, once the two components have been mixed, to pour the product on the surface to be treated and spread it. In this way we will have a longer application time.

Apply a first coat of **TECMA PAINT EP-SD**, with a yield of about 4 m²/kg. After at least 8 hours, at 22°C, a second coat can be applied. Tools can be cleaned with **TECMASOL C** or **TECMASOL E**.

SPECIAL RECOMMENDATIONS:

- On cement and concrete substrates, it is necessary to wait for their complete setting before applying **TECMA PAINT[®] EP-SD**.
- Do not apply at temperatures below 10 °C.
- Do not apply with a relative humidity of above 85 %, or when the surface temperature is less than 3 °C above the dew point.
- The product cured at 22°C and 55% R.H. will offer resistance to pedestrians crossing at 24 hours, to light vehicles at 48 hours and to water at 72 hours. With lower temperatures, the aforementioned times will be extended.
- If stored in cold places, it is recommended to warm the product to 20°C before use.

PRESENTATION AND STORAGE:

Predosed for use in sets of 6 and 12 kilos net (base + hardener). Store in dry places at temperatures between 10 and 35 ° C. The product can be stored for 1 year when in its original hermetically sealed container.

** The information contained in this technical specification sheet, as well as our verbal and written advice, or through tests carried out in our internal laboratories or in external laboratories, are given in good faith on the basis of our experience and test results, and do not serve as a guarantee. Our recommendations do not exempt the obligation of knowing in depth the application of the product before proceeding to its use, and to carry out tests prior to use if there is any doubt of its suitability for any job or application. The application, use and handling of our products are beyond our control and therefore under the responsibility of the person in charge of its application. Therefore, the person who uses the product without observing the instructions indicated here will be responsible. **

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