



MELZI edilizia e restauro

Melzi sas di Melzi Luigi & C. Via S. Bellino 28/A - 35020 ALBIGNASEGO (PD) – tel. 049/691966 – Fax 049/690157 – C.F./P.I 02005420282
www.melzi.it E-mail: info@melzi.it

FLOOR SYSTEMS:

inishes / Two-Component Epoxy Paints

(Solvent)

DUALENE EPX SMT

Data sheet

DESCRIPTION AND FIELDS OF APPLICATION

Two-component, solvent-based, epoxy resin enamel for the protection of interior floors subject to foot traffic and rubber-tired vehicles. The product is not suitable for the treatment of floors subject to counterthrust water and generally wet substrates without adequate treatment.

The product is suitable for the protection of interior wall surfaces, to which high washability is to be ensured, such as in the food industry (complying with EC Reg. 852).

MAIN FEATURES

Excellent coverage, high strength, the adhesive capabilities possessed allow its application on a variety of surfaces. The protective film prevents oil and water from penetrating the flooring, giving good chemical resistance to the treated substrate.

APPLICATION DATA

The substrate must be clean, free of substances that hinder the adhesion of the product (waxes, silicones, oily traces), compact. The presence of counterthrust water, not adequately treated, in the flooring can cause the coating to detach. New cementitious substrates must be cured for a minimum of 40 days. Absorbent substrates must be preliminarily treated with **DUALENE EPX FTR** primer (see data sheet). Very smooth substrates with deeply absorbed oily substances and with previous coatings in place must be roughened by appropriate mechanical intervention (shot peening, milling, sanding). Ceramic substrates should be treated by etching with **MONOPOL PL 06** and **DUALENE EPX FL** (see data sheets).

Base product and hardener should be mixed thoroughly before use, if possible mechanically.

The product is applied without dilution; if necessary, adjust fluidity with max. 5 percent by volume of epoxy thinner. Do not exceed dilution so as not to reduce the final thicknesses and with them the performance of the coating.

Application is done by roller, brush, spray including airless. When the primer preparation has dried, in any case within 24 h, apply the first coat of top coat. Regardless of the application system adopted wait for complete drying before applying the next layer. Spread the final layer within 24 h in order not to compromise its adhesion on the previous excessively cross-linked layer. Operate at temperatures between 10-30°C (use below 10°C prevents the catalysis reaction), including of the substrate and with R.H. < 80%.

For the final layer, use product from a single batch to avoid slight color differences.

Wash tools with epoxy thinner, nitro, immediately after use.



YIELD

Yield varies depending on the roughness and absorption of the substrate. The minimum dry film thickness to be deposited for each coat in order to obtain good protection should be 50 microns. On average, this is obtained by treating approx. 10 m²/L of product. The finished cycle requires a total dry film thickness of 100 microns, obtained by applying two coats (consumption tot 5 m²/L).

TECHNICAL DATA

Weight mixture ratio (P base/Ind.)	81.3/18.7 (100/23)
Bulk density	1.22 kg/L
Dry residue by weight	67%
Dry residue by volume	55%
Pot-life at 22°C approx.	4 h
Hardening at 22°C to touch	6 h
complete	8 days
Walkability	min. 48 h with caution
Abrasion resistance (UNI EN ISO 7784-2 - CS 10 - 1 kg) 1000 rpm	<50 mg
Stability in original packaging	12 months

VERSION 18/12. Product for professional use.
The user must assess whether the product is suitable for use in terms of type and method of use, on which the final performance depends.
This sheet replaces and cancels the previous