



MELZI edilizia e restauro

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FLOOR SYSTEMS:

Finishes / Two-Component Epoxy Paints

(Solvent)

DUALENE EPX SMT AS

Data sheet

DESCRIPTION AND FIELDS OF APPLICATION

Two-component low level solvent-based epoxy resin paint for the protection of interior floors subjected to foot traffic and rubber-tired vehicles. The product is not suitable for the treatment of floors subject to counterthrust water and generally wet, inadequately treated.

MAIN FEATURES

The type of coating and its solid residue, impart resistance to abrasion, making it suitable for the treatment of surfaces subject to wear and tear; the applied thickness per layer is on average 50 percent greater than a normal floor paint. The product has high resistance to oils and greases, lubricants, detergents. It reaches maximum resistance after approx. 8 days after application under normal conditions.

APPLICATION DATA.

The substrate must be clean, free of substances that hinder the adhesion of the product (waxes, silicones, oily traces), compact and very important dry. The presence of moisture in the flooring, not treated beforehand, can cause the coating to detach. In the treatment of already painted surfaces, provided that the old coating is well anchored to the substrate, it is necessary to first perform a sampling to check the adhesion on the previous product. Otherwise perform mechanical removal of the previous coating. New cementitious substrates must be cured for a minimum of 40 days. Absorbent substrates must be preliminarily treated with **DUALENE EPX FTR** primer (see technical data sheet). Smooth substrates or those with deeply absorbed oily substances must be mechanically roughened (sandblasting, milling, shot-peening, etc.), and if necessary treated with **DUALENE EPX MS** epoxy system (see data sheet), and subsequent quartz dusting. Irregular substrates must preliminarily be shaved: by **DUALENE EPX IMC W Tricomponent** epoxy-cement mortar (see technical data sheet), or by **DUALENE LIC 09** acrylic latex additive cementitious mix (see technical data sheet). Ceramic substrates should be treated by etching with **MONOPOL PL 06** and **DUALENE EPX FL** epoxy primer (see data sheets).

Base product and hardener should be mixed thoroughly before use, if possible mechanically. The coating is applied without dilution, if necessary adjust the fluidity with max. 5 percent by volume of epoxy thinner; do not exceed in dilution so as not to reduce the final thicknesses and with them the performance of the coating. Proceed with the application of the first coat within 24 h after treatment with the uniforming primer. Application is carried out by roller, brush, spray even airless. Regardless of the application system adopted wait 12-24 h at 25°C for overcoating the first coat with the next one. Do not exceed 24 h in order not to compromise the adhesion of the final coat on the previous one that is excessively cross-linked. Operate at temperatures between 10-30°C, including of the substrate (use below 10°C prevents the catalysis reaction), and with R.H. < 80%.

For cleaning tools use nitro or epoxy thinner immediately after use.

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



YIELD

Yield varies depending on the roughness and absorption of the substrate. The applicable dry film thickness is 75 microns. On average this is obtained by treating approx. 8-10 m²/L of product. An optimal coating should provide an overall dry film thickness of not less than 150 microns, obtained by applying two coats with an average total yield of 4-5 m²/L.

TECHNICAL DATA.

Mixture ratio by weight (P base/Ind.)	87/13 (100/15)
Bulk density	1.40 kg/L
Dry residue by weight	84%.
Dry residue by volume	73%
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