



MELZI edilizia e restauro

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FLOOR SYSTEMS:

Substrates Preparations- Coatings

(Solvent free)

DUALENE EPX MS

Technical Data Sheet

DESCRIPTION AND FIELDS OF APPLICATION

Two-component solvent-free epoxy fillerized system, as an adhesion promoter for coatings such as multi-layer coatings, self-levelling, synthetic mortars; as a lesion sealer and for structural gluing. The fresh product can be seeded with quartz to increase roughness, thus enhancing the adhesion of subsequent cycles and helping to obtain non-slip surfaces

MAIN FEATURES

Solvent-free system that is easy to use indoors; its viscosity allows for versatile use, with the possibility of adding extra filler. High mechanical and chemical resistance, compatible with the creation of coatings for various uses (floors subject to heavy traffic, chemical industry, food industry, etc.).

It reaches maximum strength when it has completed hardening, approximately 8 days after application under normal conditions.

APPLICATION DATA

The substrate must be clean, free of substances that impede the adhesion of the system (waxes, silicones, oily traces), compact and very important dry. The presence of water in the flooring, without specific treatment, can cause the coating to detach. New concrete substrates must be seasoned for at least 30 days. Absorbent substrates must be previously treated with **DUALENE EPX FTR** primer (see technical data sheet). In the case of absorbed substances, previous coatings, very smooth and compact substrates, mechanically roughen the substrate using methods (sandblasting, shot-peening, milling, etc.) suitable for the existing conditions, always ensuring the adhesion of the epoxy system to the prepared substrate with specific preliminary tests.

The base product and hardener must be mixed thoroughly before use, using a low-speed mixer. To increase the filling capacity of the system, add 20-30% in weight of quartz; for anti-slip multilayer coatings and self-levelling systems use a grain size of 05 mm; for smoother multilayer coatings use a grain size of 03 mm. Pour the mixture onto the substrate and spread it evenly with a metal trowel.

Seed the fresh product with quartz of the same grain size used for the filler; when the layer is dry, and in any case within 24 hours, remove any unfixed quartz and sand if necessary (80-100 sand paper).

When overcoating between single coats and subsequent top coats, work within 18 to 24 hours so as not to compromise adhesion. To clean the equipment use ethyl alcohol or epoxy thinner immediately after use. Operate at temperatures between 15-30°C, even of the substrate (at temperatures lower than 10°C, catalysis is not complete), and with R.H. < 80%. The use of solvent-free products in the summer season can compromise the final result due to the considerable reduction of the pot-life; if the catalysed quantities have to be reduced, it is essential to have a balance on site to respect the mixing ratios.

YIELD

The yield depends on the type of substrate, grain size, absorption and method of use. They are usually between 0.3-0.6 kg/m².

