



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:

Thick coatings

(Solvent less)

DUALENE EPX SL SS

Technical Data Sheet

DESCRIPTION AND FIELDS OF APPLICATION

Solvent-free two-component epoxy system with aliphatic cycle hardener for making self-levelling/multilayer protective coatings of indoor concrete floors subject to foot and wheeled vehicle traffic.

MAIN FEATURES.

Solvent-free system that can be easily used indoors, its viscosity allows its use with different laying methods, self-levelling, trowel, roller. Glossy/satin finish with good mechanical and chemical resistance. Reaches maximum strength upon completion of curing, approx. 8 days after application under normal conditions.

APPLICATION DATA

The substrate must be clean, free of substances that hinder the adhesion of the system (waxes, silicones, oily traces), compact and very important dry. The presence of water in the pavement, without appropriate pre-treatment, can cause the coating to detach. New cementitious substrates must be cured min. 30 days. Smooth surfaces, with traces of absorbed oil, with previous coatings must be suitably roughened by mechanical intervention (shot peening, abrasion, etc.); with previous coatings check their adhesion to the substrate.

To promote adhesion always preliminarily apply DUALENE EPX MS (see technical data sheet), with quartz dusting, and within 24 h (at 20°C), spread the epoxy system in the intended application method. When layering successive coats, always adhere to the maximum time frame indicated.

Base product and hardener should be mechanically mixed before use, and always under stirring add any filler as required by use.

Multilayer system up to 1 mm thickness.

On the substrate previously treated with DUALENE EPX MS, vacuum the quartz from the dusting, sand the surface (80/100 grit paper), and vacuum off the residue; spread 1 coat with a medium-haired roller of the epoxy system, crisscrossing the rolls.

Multilayer system up to 3 mm thickness.

On the substrate previously treated with DUALENE EPX MS, vacuum off the quartz from the dusting, spread with metal trowel the epoxy system mixed with 0.5 mm quartz in the ratio 1 : 0.5, then on the fresh layer proceed to dust with 0.5 mm quartz, until completely covered.

When completely dry, vacuum off the quartz from the dusting, sand the surface (80/100 grit paper), and vacuum off the residue. Spread a layer of epoxy system, without added filler, by metal trowel by recoating the fresh product with a short-haired roller, crisscrossing the rolls.

The cycles described are moderately rough, thus having an anti-slip characteristic and consequent increased dirt pickup. For a smoother surface, use 03 mm quartz for filler and dusting (in the former case with DUALENE EPX MS; in the latter in the epoxy system).

Self-levelling system up to 2 mm thickness.

On the substrate previously treated with DUALENE EPX MS, vacuum the quartz from the dusting coat. Mix the epoxy system and add 03 mm quartz up to max. 1 : 1.

