MELZI edilizia e restauro

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FLOOR SYSTEMS:
Finishes / Paints Two-component acrylic-isocyanate (Solvent)

DUALENE AIC PAV

Technical Data Sheet

DESCRIPTION AND FIELDS OF APPLICATION

Two-component, solvent-based paint, based on acryl-isocyanate resin (polyurethane), for the protection of floors, including outdoor, subject to pedestrian traffic and rubber-tired vehicles. Filled product with non-slip characteristics, particularly suitable for industrial environments with work cycles that keep the floor wet. Available in non-slip filler sizes (max. head of curve) of 0.15 and 0.30 mm.
The product is not suitable for the treatment of substrates subject to counter-pressure and generally
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wet water without specific treatment.

MAIN FEATURES

The fillers used guarantee the coating's high resistance to abrasion, making it suitable for treating surfaces subject to wear or which may become slippery due to particular conditions (presence of water, condensation, inclination). The protective film prevents oil and water from penetrating into the flooring, giving good chemical resistance to the treated substrate.
The product has a strong adhesive capacity. The material reaches its maximum mechanical strength approx. 10 days after application at 25°C.
Abrasion resistance and anti-slip properties are direct consequences of the roughness of the coating. In some cases this can result in high dirt pick up. To reduce this, the surface can be treated with specific transparent paints or by using DUALENE AIC SMT for the final coat, which partially reduce the roughness and facilitate cleaning, without excessively reducing the anti-slip properties.

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 water in the flooring, if not adequately treated, may cause the coating to detach. When treating surfaces that have already been painted, provided that the old coating is well anchored to the substrate, it is necessary to first carry out a sampling to check adhesion on the previous product. New cementitious substrates must be cured for at least 40 days. Absorbent substrates must first be treated with DUALENE EPX FTR primer (see technical data sheet). Very smooth substrates or those with deep-absorbed oily substances must be roughened by mechanical means (shot-peening, milling, sanding).
Base and hardener must be mixed thoroughly before use, if possible mechanically. The product can be applied without thinning. If necessary, adjust the fluidity with max. 5% by volume of polyurethane thinner. Do not over-thin the product in order not to reduce the final thickness and with it the performance of the coating.

The application is carried out by roller, brush, spray and airless. When the primer has dried, preferably within 24 hours, apply the first coat of topcoat. Regardless of the application system used, wait for complete drying before applying the next coat. the next layer. The adhesive properties of the product allow the final coat to be applied even a few days after the previous one has been applied.
To clean tools use nitro thinner or polyurethane thinner immediately after use.
Operate at temperatures between 10-30°C (use below 10°C prevents the catalysis reaction), even of the substrate and with R.H. < 80%.
For the final coat, use products from a single batch to avoid slight colour differences

YIELD

Yield varies according to the roughness and absorption of the substrate. The minimum thickness of dry film to be applied for each coat in order to obtain good protection must be 70 microns. On average, this is obtained by treating approx. 8-10 m^2/L of product. An optimum coating should have an overall dry film thickness of not less than 120 microns, obtained by applying two coats with a total average yield of 4-5 m^2/L. A third coat may be required under heavy wear conditions.

TECHNICAL DATA

Mixture ratio by weight (B.P./Har.)	88/12 (100/14)
Density	1.40 kg/L
Dry residue by weight	65%
Dry residue by volume	53%.
Pot-life at 22°C approx.	6 h
Hardening at 22°C to touch	6 h
complete 8	days
Walkability	min. 48 h with caution
Resistance to abrasion (UNI EN ISO 7784-2 - CS 10 - 1 kg)	1000 rpm<40 mg
Stability in original packaging	12 months
Rapporto di miscela in peso (P base/Ind.)	88/12 (100/14)

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 ones

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