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COLLEDANI FP

COLOURED OR TRANSPARENT POLYURETHANE ALIPHATIC FINISHING WITH HIGH MECHANICAL RESISTANCE

Description

Colledani FP is a two-component, non-yellowing polyurethane coating.

It is specially created to obtain a transparent wear-resistant finishing on epoxy products or Materia.

This product is specially suitable as a finishing coat for new and old industrial concrete floors because it is dust-repellent and chemical resistant. It may also be used as a coating due to its stain and oil resistant qualities.

Fields of Application

Colledani FP can be applied on resin floors as a finishing coat and on concrete, as well.

Once hardened, it improves the surface mechanical properties, and makes the surface water-repellent. It also strengthens the surface treated against abrasion and streaking.

Another interesting feature of this product is its colour permanence after drying, so that the original appearance of the surface treated remains unchanged.

Do not apply it either on dusty, crumbly or irregular substrates, and wet, grease stained surfaces.

Application guidelines

Colledani FP is applied with a smooth-haired roller.

a) Substrate preparation

Resin coatings:

The product may be applied on both new and old resin coatings.

When applied on new coatings, it must be perfectly hard, dry and must have been laid no more than 24 hours before. If it takes longer than the recommended time, the surface must be sanded down using a single-headed sander with fine sandpaper or abrasive mesh. This procedure assures a better bonding of the product.

If you apply it on old resin surfaces, they must be perfectly clean and free of oil, greasy substances and any other product which could affect bonding. The surface must also be sanded down to maximize bonding abilities.

Concrete coatings:

Before applying **Colledani FP** on concrete surfaces, they must be treated with the epoxy primer.

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b) Preparation of the product

Colledani FP is a ready-made two-component finishing product. To prepare it, simply pour component B in the container with component A. Mix it with a low-speed drill until a homogeneous compound is obtained.

To make the application easy, it is possible to add the compound with polyurethane solvent at a ratio of max. 8% in weight.

c) Application of the product

Apply **Colledani FP** evenly using a smooth-haired roller.

If a non-slip finishing is required, add some filler or micro glass beads while mixing slowly at a ratio of 3-5% in weight.

Storage

The product must be stored in its original packaging in a dry place, and at a temperature of at least +15 °C.

Handling and safety

The product may produce irritation or rashes in people who have sensitive skin. Therefore, it is recommended using protective gloves and goggles when preparing and laying the product, and taking the usual precautions when handling chemical products.



FP TECHNICAL DATA

PRODUCT DESCRIPTION

| | |
|---------------------------|-----------------------------|
| Colour | Transparent/opaque/RAL hues |
| Appearance | fluid |
| Solids content % | 80 |
| Density g/cm ³ | 1,0 |
| Viscosity mPa•s | 500 ± 50 |

APPLICATION DATA (at +23°C and 50% R.H.)

| | |
|-------------------------------|----------------------------------|
| Mixing ratio | |
| Compound A | 100 % weight |
| Compound B gloss | 13 % weight |
| Compound B matt | 30 % weight |
| Compound B pigmented | 45 % weight |
| Consumption | 80-100 g/m ² per coat |
| Thickness | 60-80 micron per coat |
| Pot life at 20°C | Approx. 30 min |
| Application temperature range | From +10° to +35° C |

FINAL PERFORMANCE

| | |
|--|--|
| Compressive strength (N/mm ²) (ASTM D 695) | 55 |
| Tensile strength (N/mm ²) (ASTM D 638) | 30 |
| Touch dry at +23° C and 50% R.H. | 3 hours |
| Set to light foot traffic at +23° C and 50% R.H. | 48 hours |
| Full cure | 7 days |
| Abrasion resistance | UNI 8298 p. 9° Grindstone CS17, 1000 g, 1000 RPM 7 mg |

Hardening times are measured at 21°C±2°C and 60% ± 10% relative humidity. Higher temperature will reduce these times and lower temperatures will extend them.

WARNING

Indications given above come from the company's current knowledge and experience. They must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use the product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use. Colledani S.r.l. reserves the right to change technical characteristics, descriptions and specifications anytime.

PRODUCT FOR PROFESSIONAL USE.

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