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COLLEDANI 800 S

TWO-COMPONENT SOLVENT FREE TRANSPARENT EPOXY FINISHING PRODUCT

Description

Colledani 800 S is a two-component, solvent-free, transparent, epoxy resin-based formula with low yellowing properties. It is used as a finishing coat on internal decorative floors in civil environments subject to pedestrian traffic, such as shops and hotel reception areas. It is also suitable for decorative floors in restaurants, bars, showrooms, etc.

Fields of application

Colledani 800 S improves the floor resistance and gives it a high gloss surface finish. Therefore it is applied for high aesthetic value floors in shopping centres, boutiques, and beauty salons. This kind of material allows to embody several different thin objects as copper/aluminium foils, glittering chips or beads, drawings and stick-on labels.

Application guidelines

Colledani 800 S is a two-component ready-made product. It can be applied with notched squeegee.

a) Substrate Preparation

To gain a good aesthetic and functional result, the preparation of the screed is essential. Therefore the surface undergoing the treatment must be sound and free from all loose material, curing compound, dirt, wax laitance, oil and any other material which could affect the finishing. It must also be dry and clean. Before applying the product, remove all dust and dress off rough spots to achieve an even surface.

Removing residual dust will help to ensure a tenacious bond between the primer and the substrate.

The cohesive bond strength of the concrete substrate must be at least 1,5 MPa.

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b) Preparation of the product

The product is made of two components (Part A: resin, part B : hardener). They must be mixed together for approx. 3 minutes with a low-speed drill until a homogeneous compound is obtained. Be careful not to introduce any air bubbles when mixing. Scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing.

It is important to remember that this coating has a limited pot life, thus mix only the quantity that can be used within its pot life. Do not leave the mix in the container too long because it will shorten its pot life.

c) Lay on screed

Pour a bead of material and spread it with a notched or flat squeegee, to obtain a layer approximately 1 mm thick (maximum 2 mm). Do not exceed the thickness recommended per coat.

Storage

Colledani 800 S can be stored for 6 months in its original packaging in a dry place at a temperature between +5°C and +35°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.

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800 S TECHNICAL DATA

PRODUCT DESCRIPTION

Colour	Transparent
Appearance	fluid
Solids content %	99,9
Density g/cm ³	1,10
Viscosity mPa•s	1000
Substrate temperature	from +10° to +30° C
Max relative humidity	85%

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

Mixing ratio	100:60
Pot life at 25° C	Approx. 20 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.	6 hours
Set to light foot traffic at +23° C and 50% R.H.	24 hours
Full cure	10 days

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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