NEOTEX S.A.
CONSTRUCTION CHEMICALS SINCE 1959
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THESSALONIKI: Ionias Str., GR 57009 Kalochori, Thessaloniki, Greece, Tel.: +30 2310 467275, Fax: +30 2310 463442

Epoxol® Design

Decorative self-leveling epoxy flooring system, with a metallic effect

Fields of application

Epoxol® Design is a decorative self-leveling epoxy system with a metallic effect, ideal for interior floors of department stores, restaurants, hotels, residences, etc. It consists of a coloured solvent-free, two-component epoxy system (**Epoxol® Design Base Coat**) used as a base coat and a two-component solvent-free epoxy system (**Epoxol® Design** Aluminum or Gold) which offers the metallic effect.

Properties

Epoxol® Design provides a stunning metallic effect and is ideal for unique creations of high aesthetics. It exhibits very good abrasion resistance and mechanical stress. Has high chemical resistance.

Technical Characteristics

Appearance	Gloss
Density	Component A: 1,2-1,35 gr/cm^3 (depending on the shade)
	Component B: 1,02 gr/cm^3
Mixing ratios (weight prop.)	100A:35B
Curing time (+25°C)	10 hours
Pot life (+25°C)	40 minutes
Dry to recoating (+25°C)	24 hours
Total hardening	~ 7 days
Walkability (+25°C)	24 hours
Abrasion resistance (ASTM D 4060, TABER TEST, CS 10/1000/1000)	81 mg
Impact resistance (EN ISO 6272)	IR4
Hardness-Shore D 15" (ASTM 2240)	80
Compressive strength (DIN 53452)	105 N/mm^2
Flexural strength (DIN 53452)	73 N/mm^2
Adhesion strength	≥ 3 N/mm^2
Indicative consumption	**Epoxol® Design Base Coat**: 0,7-0,8kg/m^2 in one layer
	Epoxol® Design Aluminum or **Gold**: 0,2-0,3kg/m^2

V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AjSB "Two-Pack reactive performance coatings": 500g/l (Limit 2010). V.O.C. content of the ready to use product <500g/l.

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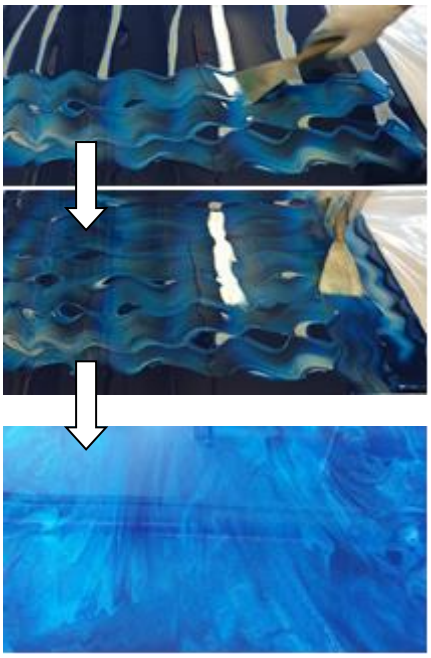
Instructions for use



Surface Preparation: The surface must be stable, clean, dry, protected from rising moisture and free from dust, oil, grease and loose materials. Even on new concrete surfaces, proper mechanical preparation of the substrate (grinding, shotblasting etc.) is necessary to smooth irregularities, open pores and create conditions for better adhesion. Surfaces should be flat, smooth and continuous (i.e. without holes, cracks, etc.). Otherwise, they should be repaired with suitable repair materials, such as **Epoxol® Putty**. Moreover, imperfections of new surfaces should be smoothened with pulveriser for lower material consumption and achieving better adhesion properties.

Priming: Before applying **Epoxol® Design Base Coat**, it is recommended to apply the appropriate **NEOTEX®** primer, depending on the substrate.

Mixing: Prior to mixing, mechanical stirring of component A is recommended for app. 1 minute. Then component B is added into component A at the predetermined ratio and the two components are mixed for app. 3-5 minutes with a low speed stirrer until the mixture is homogeneous. The mixture is then left for app. 1-2 minutes before being applied to the floor.

Application: After the primer has dried, **Epoxol® Design Base Coat** is applied by notched trowel, while using at the same time a spiked roller to release the air and create a smooth surface without imperfections. Immediately after applying the base coat, **Epoxol® Design** is poured onto the wet surface and applied ("wet-on-wet"), indicatively by making "S" movements on the surface towards various directions, using a smooth trowel or spatula. The final effect depends on the applicator.

Notes

- *Application conditions*: Surface moisture: <4%, Relative atmosphere moisture: <70%, Ambient and substrate temperature: +12°C min. / +35°C max.
- **Epoxol® Design** should not be applied under wet conditions, or if wet conditions are expected to prevail during the curing period of the product
- Low temperatures and high humidity during application prolong the drying time. while high temperatures reduce it
- Due to the nature of the material, its direct and continuous exposure to UV radiation may cause chalking over time
- It is recommended that **Epoxol® Design**, which provides the metallic effect, is spread twice, vertically and horizontally, and is not overworked, as the metal effect will not be intense in such case
- The final effect of the floor depends on the creativity of the applicator

Cleaning of tools & stain removal

By **Neotex® 1021** immediately after application

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Packing	**Epoxol® Design Base Coat** sets of 13,5kg and **Epoxol® Design Aluminum** or **Gold** sets of 4,05kg (components A&B have fixed weight proportion)
Storage stability	2 years, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.
Safety precautions	See Safety Data Sheets.