

## Epoxol<sup>®</sup> 3D

### Transparent epoxy system, suitable for the creation of 3D floors

#### Fields of application

Epoxol<sup>®</sup> 3D is a transparent solvent-free epoxy system, ideal solution for the installation of 3D floors in shopping malls, large halls, office buildings, apartments, etc.. It is applied over special printed floor images in order to provide the desired 3D effect.

#### Properties

Two-component epoxy system that consists of pure resins and selected hardeners and does not contain solvents, extenders or fillers. Displays low viscosity that grants great coverage and renders a gloss surface with excellent clarity. It has low yellowing tendency. It is classified as **C 60-B2,0- RWA20-F 50-SH 50** according to **EN13813**.

#### Technical Characteristics

Mixture appearance	Transparent, amber
Density	1,09g/cm <sup>3</sup>
Dosage (by weight)	100A:60B
Indicative resin consumption	1kg/m <sup>2</sup> /mm
Hardening time at +25° C	8 hours approximately
Full hardening	7 days
Pot life (at +25°C)	40 minutes
Application temperature	>20 °C
Flexural strength (DIN 53452)	78 N/mm <sup>2</sup>
Compressive strength (DIN 53452)	88 N/mm <sup>2</sup>
Hardness-Shore D 15" (ASTM 2240)	79
Abrasion Resistance (ASTM D 4060)	70 mg - Taber Test (CS 10/1000/1000)
Adhesion Strength (EN 13892-8)	≥2,5 N/mm <sup>2</sup>
Impact resistance (EN ISO 6272)	IR4

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 <200g/l.

#### Instructions for use

*Surface preparation:* The substrate should be clean, stable, dry, protected from rising moisture and free from dust, oil, grease, or any poorly adhering material.

*Application:* The printed image is pasted onto a smooth, properly

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primed surface in such a way that no air entrapment occurs. Both components A&B are mixed at the predetermined ratio and stirred for app. 2-3 minutes with a low speed electric stirrer, until the mixture is homogeneous. The mixture is then left in the container for app. 1 minute and spread on the substrate, to a maximum thickness of 2.5 mm, using a suitable notched trowel. During the application of the coating on the floor, it should be treated with a special spiked roller, so that any trapped air is released and a smooth bubble-free surface is created.

### Notes

- The temperature during application and throughout the curing of the material should be higher than +20°C
- *Application Conditions:* Substrate moisture <4% / Relative air humidity <65% / Ambient temperature: from +20°C to +40°C
- Low temperatures and high humidity prolong drying times
- Due to the nature of the material, its direct and continuous exposure to UV radiation may cause chalking over time

### Cleaning of tools & stain removal

By Neotex<sup>®</sup> 1021 immediately after application

### Packing

1kg and 16 kg sets (components A & B have fixed weight proportions).

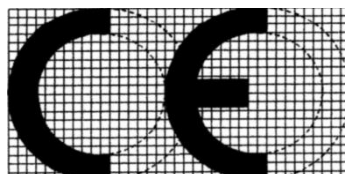
### Safety Precautions

See Safety Data Sheets.

### Storage stability

2 years, stored in its initial, sealed packing, at +5°C to +35°C, protected from sunlight and frost

## Epoxol® 3D



NEOTEX S.A.  
V.Moira str., P.O. Box 2315  
GR 19600 Industrial Area Mandra, Athens, Greece

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Dop No. Epoxol® 3D/4950-44

**EPOXOL® 3D**

**EN 13813 C 60-B2,0- RWA20-F 50-SH 50**  
Synthetic Resin screed material for use internally  
in buildings

Essential characteristics	Performance
Impact Resistance	≥4 Nm Class I
Bond Strength	Class B 2,0
Compressive Strength	Class C 60
Surface Hardness	Class SH 50
Wear Resistance	Class RWA20
Flexural Strength	Class F 50
Reaction to fire	NPD

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