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® 2874

Two-component epoxy system for casting or embedding various items

Fields of application

- Ideal for the creation of stone carpets, resin mortars and 3D floors
- Suitable for mixing with light or heavy extenders, as a filler for openings that show excellent adhesion for long periods of time (e.g. joint filling on stone floors, behind silver icons)
- Hobby and handicraft industry – for the creation of multiple ornaments and souvenirs

Properties

- It consists of pure resins and selected hardeners and does not contain solvents, extenders or fillers. Displays low viscosity that grants great coverage and deep penetration (e.g. in capillary cracks)
- It has good adhesion on mortar, metal and plastic too.
- It has high chemical resistance and zero oil and water absorption.
- It has good yellowing resistance.

Technical Characteristics

Mixture appearance	Transparent, amber
Density	1,09g/cm^3
Dosage (by weight)	100A:58B
Hardening time at +25° C	4 hours approximately
Full hardening	7 days
Pot life (at +25°C)	35-45 minutes
Indicative resin consumption	1kg/m^2/mm
Indicative consumption for stone carpet	7kg/m^2/4mm thickness (1kg **Epoxol® 2874** + 6kg quartz sand **NQS grey 0,6-1,2mm)**
Maximum temperature for resistance to continuous heating (HDT-Value)	+46ºC
Viscosity	92KU
Tensile strength (DIN 53452)	38 N/mm^2
Flexural strength (DIN 53452)	80 N/mm^2
Compressive strength (DIN 53452)	82 N/mm^2
Hardness-Shore D 15" (ASTM 2240)	83

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Abrasion Resistance	72 mg - Taber Test ASTM D 4060 (CS 10/1000/1000)
Adhesion Strength (EN 13892-8)	≥2,5 N/mm^2
Impact resistance (EN ISO 6272)	IR4

Instructions for use

Surface preparation: The substrate should be clean, dry and free from dust, oil, grease, or any poorly adhering material. Use compressed air, any suitable mechanical means, or washing with water or solvents. The surface is either forced dry by blowing hot air or can dry naturally. For applications on concrete surfaces, it is recommended to apply **Epoxol® Primer** diluted 10% with solvent **Neotex® 1021**. If the surface moisture> 4% or where there is rising damp use primer **Neopox® Primer AY**. For better adhesion and workability of the resin mortar, broadcast quartz sand M-32 immediately after applying the primer.

Application: After stirring components A & B in the appropriate proportion apply the mixture to the surface and spread well with a trowel which has been previously soaked in solvent **Neotex®1021**.

To prepare a resin mortar, mix **Epoxol® 2874** with quartz sand at a ratio of 1:7 to 1:10 by weight, depending on the particle size of the aggregates and the thickness of the mortar to be achieved.

The mixture is left to dry at temperatures ranging between +12ºC and +40ºC.

Notes

- The product should not be applied at temperatures <12°C, relative atmospheric humidity >65%, surface humidity content >4%, or if humid conditions are expected to prevail during the curing period of the paint film.
- Allow at least 4 weeks to pass between casting new concrete structures and the application of the product.
- It is recommended that the use of **Epoxol® 2874** is limited to indoor use only. Due to the nature of the material, its direct and continuous exposure to ultraviolet radiation may cause acceleration of yellowing and/or blurring of the surface, as well as the phenomenon of chalking over time. For exterior stone carpet applications, the use of the transparent aliphatic polyurea system **Neodur® Polyurea** is recommended as a binding resin instead.
- Low temperatures and high humidity prolong the times mentioned above, while high temperatures decrease them.

Cleaning of tools

Clean all tools and application equipment with solvent **Neotex®**

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1021.

Stain removal	Use the solvent mentioned above when the stain is still fresh and damp. In case of hardened stains, use mechanical means. Due to their strong adhesion, stains might not come off.
Packing	1kg and 15,8kg sets (components A & B have fixed weight proportions).
Storage stability	2 years when kept sealed in its original container in dry and covered place.

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Dop No.: 4950-45

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EN 13813 SR-C60-F50-RWA20-SH50-B2,0-IR4

Synthetic Resin screed material for use internally in buildings

Release of corrosive substances	SR
Compressive Strength	C60
Flexural Strength	F50
Wear Resistance	RWA20
Surface Hardness	SH50
Bond Strength	B2,0
Impact Resistance	IR4
Reaction to fire	NPD