

ATHENS: V. MOIRA, INDUSTRIAL AREA MANDRA, 19600, ATHENS, GREECE, TEL.: +30 210 5557579, FAX: +30 210 5558482

THESSALONIKI: 10th km N.R THESSALONIKIS-POLIGIROU, 57001, THERMI THESSALONIKI, GREECE, TEL.: +30 2310 467275, FAX: 2310 463442

TECHNICAL DATA SHEET

Neopox® Floor

Two-component solvent-free, high build epoxy paint for flooring applications

Fields of application

Neopox® Floor is a suitable coating that can be applied on cement-based floors which need high mechanical and chemical resistance, e.g. factories, laboratories, warehouses, superstores, parking places, garages, slaughterhouses, larders, hospitals, schools, etc. Neopox® Floor is also recommended for repair and refurbishment of old floors.

Properties

Neopox® Floor is a two-component epoxy paint based on selected resins and hardeners without solvents which shows great abrasion and yellowing resistance, significant strength and chemical resistance (to alkalis, solutions of acids, water, petroleum oils and many solvents).

Technical characteristics

Appearance: Glossy

Density: Component A: 1,60 g/cm³

Component B: 1,02 g/cm³

Mixing ratio (weight proportion): **100A:25B**

Consumption: 250-300 gr/m² (in one layer)

Dry film thickness: 200 µm (in one layer)

Hardening time (tack free) (25°C): 10 hours

Pot life at (25°C): 1 hour

Minimum temperature of application: 12°C

Walkability (25°C): 1 day

Total hardening (25°C): ~7 days

Abrasion Resistance: 68 mg - Taber Test ASTM D 4060 (CS 10/1000/1000)

Impact Resistance (EN ISO 6272): IR4

Adhesion Strength (EN 13892-8): ≥ 2,5 N/mm²

Hardness (Shore D): 72 (ASTM 2240)

Resistance to temperature change: -30°C up to +100°C (Dry loading)

Instructions for use

Surface preparation: The surface should be dry (moisture content of mortar <4%), stable and protected from rising moisture attack. The surface should be also free from dust, dirt, greasy and oily substances. Therefore, it should be brushed, grinded or

sandblasted and after that cleaned with vacuum cleaner. Imperfections of new surfaces should be smoothened with pulveriser for lower material consumption and achieving better adhesion properties. Cracks or holes need to be filled with **Epoxol® Putty**.

Priming: **Epoxol® Primer** thinned 10% per weight with solvent **Neotex 1021** is applied in one layer with roller or brush. Before priming, the primer components A&B should be added and stirred thoroughly with low revolution mixer (2-3 minutes).

Application: After primer dries, Neopox® Floor is applied in one layer, within 12-24 hours. Mix both components A&B thoroughly with low revolution mixer (3-5 minutes) in fixed proportion. Apply the paint within 1 hour by suitable roller or brush.

Notes

- Low temperatures and high humidity during application prolong drying time, etc.
- The surface should be dry during paint application and protected from rising moisture attack (e.g. Osmotic pressure resistant system **Neopox® Primer AY**)
- The product should not be applied at temperatures <12°C, at relative atmospheric humidity >70%, at surface humidity content >4%, or if humid conditions are expected to prevail during the curing period of the paint film.
- Total hardening of the film occurs after 7 days (25°C)
- Allow at least 4 weeks to pass between casting new concrete structures and painting them with the product
- Surfaces that have already been painted with epoxy paints should be scrubbed lightly before overcoating with the product to ensure good adhesion

Variations**Neopox® Floor Winter**

Special version of the product for application in highly humid environments and low temperatures.

(<12°C and >5°C, relative atmospheric humidity <75%, surface humidity content <4%)

Cleaning of tools

Use solvent **Neotex 1021** immediately after application.

Stain removal

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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Use solvent **Neotex 1021** when the stain is still fresh and damp.
In case of hardened stains, use mechanical means.

Colours

White (RAL 9003), Beige (RAL 1015), Grey (RAL 7047), Terracotta (RAL 3009). Tailor-made shades can be produced for a minimum quantity, upon special arrangement.

Packing

Sets of 12,5kg in plastic containers (component A) and tin cans (component B) in fixed weight proportion

Storage stability

3 years (5-45°C) in sealed packing.

Safety precautions

See Safety Data Sheets

Auxiliary materials:

Epoxol® Primer: Sets of 5kg and 10kg

Solvent **Neotex 1021:** Containers of 1kg, 5kg and 20kg

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