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

Neopox® Alimentary

Two-component solvent-free, high build epoxy paint for flooring applications in food and beverage facilities

Fields of Application

Neopox® Alimentary main application field is the food and beverages facilities. The product holds a certificate for direct permanent contact with foodstuff and beverages by the General Chemical State Laboratory and can be applied to floors and walls of factories, warehouses, laboratories, production lines, wineries, foodstuff stores, etc.

Properties/ Advantages

It 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	Gloss
Density (EN ISO 2811.01)	1,53 kg/l (Comp. A), 1,02 kg/l (Comp. B)
Mixing ratio (weight proportion)	100A:35B
Consumption	330-400gr/m^2 per layer
Substrate Temperature	+12°C to +35°C
Ambient Temperature	+12°C to +35°C
Surface humidity content	<4%
Relative atmospheric humidity	<70%
Total hardening	~ 7 days
Dry film thickness	250 μm (in one layer)
Abrasion Resistance (ASTM D 4060)	65 mg (TABER TEST CS 10/1000/1000)
Impact Resistance (EN ISO 6272)	IR4
Adhesion Strength (EN 13892-8)	≥ 2,5 N/mm^2
Hardness – Shore D (ASTM 2240)	76
Resistance to temperature change (dry loading)	-30°C to +100°C

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Pot Life

Temperature	Time
+12°C	1 hour
+25°C	1 hour
+30°C	40 minutes

Overcoating

Temperature	Time
+12°C	24 hours
+25°C	24 hours
+30°C	24 hours

Walkability

Temperature	Time
+12°C	24 hours
+25°C	24 hours
+30°C	24 hours

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Quality/Preparation of Substrate

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm^2) with a minimum pull off strength of 1.5 N/mm^2.The substrate must be clean, dry (surface humidity content <4%) and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Moreover, imperfections of new surfaces should be smoothened with pulveriser for lower material consumption and achieving better adhesion properties.

Application of Primer

Construction Surfaces:

Epoxol® Primer (thinned 10% per weight with **solvent Neotex 1021**) is applied in one layer (**2 coats** required in cases of increased porosity of the substrate) with roller, brush or airless spray. Before applying, mix both components (A&B) thoroughly to the correct predetermined mixing proportion by weight using a low speed electric stirrer for 2-3 minutes. When the substrate contains humidity more than 4% or there is rising moisture the surface should be primed with **Neopox® Primer AY**. Otherwise as a primer it can be applied **Epoxol® Primer SF** (solvent-free epoxy primer) or if the moisture of the substrate is up to 8%, if there is not rising moisture and the substrate temperature is > +12°C the surface should be primed with water-based primer **Acqua® Primer**.

Instructions for use

After the drying of the primer, **Neopox® Alimentary** is applied with roller, spatula, brush or squeegees. Mix both components A&B thoroughly to the correct predetermined mixing proportion by weight. **Neopox® Alimentary** must be thoroughly mixed using a low speed electric stirrer and It is important to stir the mixture thoroughly near the sides and bottom of the container. Mix continuously for 3-5 minutes until a uniform epoxy mortar is formed.

Notes

- Low temperatures and high humidity during application prolong drying time, etc
- Allow at least 4 weeks to pass between casting new concrete structures and painting them with the product.
- The surface should be dry during paint application and protected from rising moisture attack (e.g. Osmotic pressure resistant system **Neopox® Primer AY**).
- Direct and continuous exposure to UV radiation can cause over time the chalking phenomenon.
- After stirring the whole mix, pour the mortar soon enough in order to prevent high temperature and polymerization inside the container.
- The substrate temperature must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

Variations

Neopox® Alimentary Winter:

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

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	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	Use solvent **Neotex 1021** when the stain is still fresh and damp. In case of hardened stains, use mechanical means.
Colors	White (RAL 9003), beige (RAL 1015), grey (RAL 7047, RAL 7040), teracotta (RAL 3009). Tailor-made shades can be produced for a minimum quantity, upon special arrangement.
Packing	Sets 13,5kg in fixed weight proportion.
Storage Stability	3 years (5-45°C) in sealed tin cans.
Safety Precautions	See Safety Data Sheets.
Auxiliary Materials	**Epoxol® Primer**: Set 5kg, 10kg **Epoxol® Primer SF**: Set 10kg **Neopox® Primer AY**: Set 5kg **Acqua® Primer**: Set 7kg **Solvent Neotex 1021**: Tin cans 1kg, 5kg, 20kg