NEOTEX S.A.
ESTABLISHED IN 1959
CONSTRUCTION CHEMICALS
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Neopox® Pool

Epoxy coating with UV filters, for swimming pools

Product Description

Neopox® Pool is an epoxy, solvent based coating with UV filters incorporated, suitable for swimming pools. It is highly durable to the chlorination chemicals. Suitable for construction and polyester surfaces, that undergo significant mechanical stress and need chemical resistance. The product can be applied on pools, tanks (for non-potable water, dilute solutions of acids and bases), boats etc.

Fields of Application

- Swimming pools, tanks, fountains, boats
- Metallic structures

Properties/ Advantages

- Resistant at temperatures between -50°C and +140°C (short-term resistance). Permanent resistance between -20°C and +70°C.
- Contains UV filters
- Excellent resistance to water, sea water, dilute acids and alkalis.
- Increased resistance to chalking

Technical Characteristics

Appearance	Gloss
Density (EN ISO 2811.01)	0,98-1,2 kg/l (depending on the shade)
Mixing ratios (weight prop.)	75A:25B
Consumption	250-330gr/m^2 for two layers (depending on substrate)
Substrate Temperature	+12°C to +35°C
Ambient Temperature	+12°C to +35°C
Dry film thickness	60-80μm per layer
Surface humidity content	<4%
Relative atmospheric humidity	<70%
Total Hardening	~ 7 days
Abrasion resistance (ASTM D 4060)	57 mg (TABER TEST CS 10/1000/1000)
Bond strength (EN 13892-8)	≥ 2,5 N/mm^2

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Pot Life

Temperature	Time
+12°C	2 hours
+25°C	1 hour
+30°C	1 hour

Overcoating

Temperature	Time
+12°C	36 hours
+25°C	24 hours
+30°C	24 hours

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.

Local putting can be achieved with **Epoxol® Putty** in proportion from 1A:1B to 2A:1B or **Epoxol® Special Putty** in proportion 1A:1B or **Epoxol® Primer SF** mixed with quartz sand.

Instructions for use

Construction Surfaces:

Apply one coat of **Neopox® Pool** diluted 8% with solvent **Neotex 1021**. Before applying, mix both components (A&B) thoroughly to the correct predetermined mixing proportion by weight. **Neopox® Pool** 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. Apply the second coat diluted 4-8 % with solvent **Neotex 1021** (if a third coat is required, dilute 4%). **Neopox® Pool**

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can be applied with brush, roller or airless spray.

Metallic Surfaces:

The surfaces should be free of rust or any corrosion that may prevent bonding and it should be prepared by brushing, grinding or sand blasting. Afterwards apply one coat of **Neopox® Special Primer 1225** diluted 8-10% with solvent **Neotex 1021** to protect against rust. Before applying the primer, mix both components (A&B) thoroughly and apply within 3 hours by brush, roller or airless spray. Then apply two coats of **Neopox® Pool** diluted 4-8 % with solvent **Neotex 1021**.

Polyester & wood surfaces:

The surface should be rough (not smooth) leveled (e.g. with **Epoxol® Putty**), free from dust, dirt, greasy and oily substances. Apply one coat of **Neopox® Pool** diluted 8% with solvent **Neotex 1021**. Apply the second coat diluted 4-8 % with solvent **Neotex 1021** (if a third coat is required, dilute 4%).

Consumption

New swimming pool:

- 125-165gr/$m^{2/}$ layer (recommended 3 layers)

Overcoating swimming pool:

- 125-165gr/$m^{2/}$ layer (recommended 2 layers)

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**)
- Allow at least 4 weeks to pass between casting new concrete structures and painting them with the product.
- Direct and continuous exposure to UV radiation can cause over time the chalking phenomenon.
- Surfaces that have already been painted with epoxy paints should be scrubbed lightly before overcoating with the product to ensure good adhesion between the two paint layers.
- Overcoating a freshly painted surface must take place within 2 days otherwise it is suggested to scrub lightly the freshly painted layer to avoid possible adhesion problems.
- After stirring the entire mixture, apply immediately the material to avoid, in high temperatures, the polymerization of the product into 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.
- Due to increasing ultraviolet radiation, the constant and direct exposure of epoxy paint to the sun contributes more intensively to chalking along the time. It is suggested to apply two layers of the polyurethane varnish **Neodur® Varnish**, in order to achieve additional protection of **Neopox® Pool**.
- In cases of a high dose of chlorine, high dose of algaecides or divergence of

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	the price of PH than normal levels, the phenomenon of chalking can be accelerated.
Cleaning of Tools	Use solvent **Neotex 1021** immediately after application.
Colors	Available in a variety of colors and special colors on demand over a certain amount.
Packing	Sets of 1kg, 5kg & 10kg in tin cans (components A&B have 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 **Epoxol® Putty**: Set 1kg, 6kg, 20kg **Solvent Neotex 1021**: Tin cans 1kg, 5kg, 20kg