

Neopox[®] Pro

Two- component epoxy paint suitable for floors and metallic structures

Fields of Application

Two-component solvent-based epoxy paint suitable for use on parking areas and metallic surfaces that need chemical resistance.

Properties/ Advantages

- Offers high hardness, abrasion
- Very good adhesive strength
- Resistance to water, sea water, alkalis, industrial atmosphere and adverse weather conditions (see table of chemical resistance below)

Technical Characteristics

Appearance	Gloss
Service temperature (periodically)	-50°C to 140°C
Mixing ratios (weight prop.)	100A:20B
Density (EN ISO 2811.01)	1,5 kg/l
Walkability (25°C)	24 hours
Consumption	330-360gr/m ² for two layers (depending on substrate)
Substrate Temperature	+12°C to +35°C
Ambient Temperature	+12°C to +35°C
Pot life (25°C)	2 hours
Drying time (25°C)	3-4 hours
Surface humidity content	<4%
Relative atmospheric humidity	<70%
Total Hardening	~ 7 days
Abrasion resistance(ASTM D 4060)	110 mg (TABER TEST CS 10/1000/1000)
Bond strength (EN 13892-8)	≥ 2,5 N/mm ²

Quality/Preparation of Substrate

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm². 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

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2A:1B or **Epoxol[®] Special Putty** in proportion 1A:1B or **Epoxol[®] Primer SF** mixed with quartz sand.

Instructions for use

Construction surfaces: The surface should be rough (not smooth) leveled (e.g. with epoxy putty **Epoxol[®]**), free from dust, dirt, greasy and oily substances. The use of a primer is not necessary for cement based substrates. Instead, apply one coat of **Neopox[®] Pro** diluted 8% with **Neotex 1021**. Before applying, mix both components (A&B) thoroughly with mixer (3-5 minutes) and apply the paint within 3 hours by brush, roller or spray gun. After 18-24 hours, apply the second coat diluted 4-8 % with **Neotex 1021** (if a third coat is required, dilute 4%).

Metallic surfaces: Clean the surface from rust by sandblasting or with the use of a wire brush. Afterwards apply one coat of **Neopox[®] Special Primer 1225**. Then apply two coats of **Neopox[®] Pro**, allowing drying for 18-24 hours between the coats.

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.
- 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.

Cleaning of Tools

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

Colors

White, Grey (Ral 7040), Grey (Ral 7047) and special colors on demand over a certain amount.

Packing

Sets of 12kg 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

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Solvent Neotex 1021: Tin cans 1kg, 5kg, 20kg



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Chemical Resistance

Table of Chemical Resistance

Type of liquid	Permanently at +20°C	Occasionally at +20°C
Distilled water	++	++
Salt water	++	++
Ethanol 15%	+	++
Ethanol 95%	-	-
White Spirit	++	++
Toluene	-	-
Xylene	-	-
MIBK	-	-
Butyl Acetate	-	-
Gasoline	++	++
Ammonia 10%	++	++
NaOH 10%	++	++
Hydrochloric Acid 10%	++	++
Hydrochloric Acid 37%	-	+
Sulphuric Acid 10%	-	+
Nitric Acid 10%	-	+
Acetic Acid 10%	-	+
Phosphoric Acid 10%	-	+
Lactic Acid 10%	-	+
Chromic Acid 10%	-	-
Citric acid 10%	-	+
+++ Excellent resistance, ++ Good resistance, + Poor resistance		

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