NEOTEX S.A.
CONSTRUCTION CHEMICALS SINCE 1959
www.neotex.gr • e-mail: export@neotex.gr
ATHENS: V. Moira str., P.O. Box 2315, GR 19600 Industrial Area Mandra, Athens, Greece, Tel.: +30 210 5557579, Fax: +30 210 5558482
THESSALONIKI: Ionias Str., GR 57009 Kalochori, Thessaloniki, Greece, Tel.: +30 2310 467275, Fax: +30 2310 463442

Neopox® W

Two-component brushable water-based epoxy paint

Fields of Application

Neopox® W is suitable for use on floors and walls of factories, shops, laboratories, stairs, slaughter-houses, garages. It is also suitable in general for use in indoor areas, where solvent fumes are undesirable (e.g. wine and food stores and factories). It could be applied on metallic surfaces and also on damp concrete surfaces.

Properties/ Advantages

Neopox® W is a new technology environmentally friendly water-based easy to apply quick-drying paint. It is resistant to water, alkalis, detergents, diluted acids and many solvents. It offers also good abrasion, yellowing & strength resistance and very good adhesion on cement surfaces. It doesn't contain any solvents (0% V.O.C. content) nor benzyl alcohol.

Compliant with the regulation 2004/42/EC for limitation of V.O.C. in paints and varnishes.

Technical Characteristics

Appearance	Satin
Density (EN ISO 2811.01)	1,51±0,03kg/l (Comp. A), 1,12±0,03 kg/l(Comp. B)
Mixing ratios (weight prop.)	100A:20B
Consumption	330-400gr/m^2 for 2 layers
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
Resistance to temperature change	-30°C to +70°C (Wet loading to +60°C)
Abrasion Resistance (ASTM D 4060)	91 mg (TABER TEST CS 10/1000/1000)
Adhesion Strength (EN 13892-8)	≥ 2,5 N/mm^2

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Pot Life

Temperature	Time
+12°C	1 hour
+25°C	45 minutes
+30°C	30 minutes

Overcoating

Temperature	Time
+12°C	18-24 hours
+25°C	18-24 hours
+30°C	18-24 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:

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**.

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® Special** diluted 4-8 % with solvent **Neotex 1021**.

Instructions for use

After the drying of the primer, **Neopox® W** is applied with roller or brush. Mix both components A&B thoroughly to the correct predetermined mixing proportion by weight. **Neopox® W** 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.The first layer is diluted 10-15% with water, the second layer 5-10% with water and if a third layer is required dilute 5-10% with water.

Notes

- Low temperatures and high humidity during application prolong drying time, etc.
- Due to its microporous structure **Neopox® W** shows high water vapour permeability and it could be applied on damp surfaces (damp concrete etc).
- Direct and continuous exposure to UV radiation can cause over time the chalking phenomenon.
- 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

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point to reduce the risk of condensation or blooming on the floor finish.

- 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.

Cleaning of Tools	Use plenty of water immediately after application.
Stain Removal	Use water when the stain is still fresh and damp. In case of hardened stains, use mechanical means.
Colors	White (RAL 9010), grey (RAL 7035). Tailor-made shades can be produced for a minimum quantity, upon special arrangement.
Packing	Sets of 6kg and 12kg in fixed weight proportion.
Storage Stability	3 years (5-45°C) in sealed containers.
Safety Precautions	See Safety Data Sheets.
Auxiliary Materials	**Acqua® Primer**: Set 7kg **Neopox® Special Primer 1225**: Set 1kg, 5kg

Chemical Resistance			
	1 Hour (+20^{0}C)	5 Hours (+20^{0}C)	24 Hours (+20^{0}C)
Phosphoric Acid 10%	B	B	C
Sulphuric acid (10%)	B	B	B
Hydrochloric Acid (10%)	A	B	B
Lactic Acid (10%)	B	B	B
Nitric Acid (10%)	B	D	D

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Sodium hydroxide - caustic soda (10%)	B	D	D
Formaldehyde (10%)	A	A	A
Ammonia (10%)	A	A	A
Chlorine (5%)	B	C	D
Diesel	A	A	A
Gasoline	A	A	A
Xylene	A	A	A
M.E.K	B	B	B
Alcohol 95^0	A	A	A
Saltwater 15%	A	A	A
Engine oil	A	A	A
Red wine	B	B	C
Sea water	A	A	A

(A) EXCELLENT RESISTANCE
(B) GOOD RESISTANCE (LIGHT DISCOLORATION)
(C) POOR RESISTANCE (INTENSE DISCOLORATION)
(D) NO RESISTANCE