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® CR

Solvent-free epoxy system with high chemical resistance

Applications

Neopox® CR is suitable to be used as a protective coating of tanks (applied internally) and, generally, of non-exposed surfaces in contact with chemicals (dilute acids, bases, petrochemicals) (not). It is ideal for applications in shafts and sewage tanks in water treating facilities

Technical Characteristics

Density	Component A: 1,25-1,30gr/cm^3
	Component B: 0,94gr/cm^3
Mixing ratio (by weight)	75A:25B
Consumption	330-400g/m^2 for one layer (on horizontal surfaces)
	280-330g/m^2 for one layer (on vertical surfaces)
Drying time (+25°C)	7 hours
Pot life	40 minutes at +25ºC
	60 minutes at +15 ºC
Recoating (+25°C)	24 hours
Total hardening	~ 7 days
Adhesive strength	> 2,5N/mm^2

V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AjSB “Two-Pack reactive performance coatings”: 500g/l (Limit 1.1.2010). V.O.C. content of the ready to use product <200g/l.

Instructions for use

Surface Preparation: The surface must be stable, clean, dry, protected from rising moisture and free from dust, oil, grease and loose materials. Even on new concrete surfaces, proper mechanical preparation of the substrate (grinding, shotblasting etc.) is necessary to smooth irregularities, open pores and create conditions for better adhesion. Surfaces should be flat, smooth and continuous (i.e. without holes, cracks, etc.). Otherwise, they should be repaired with suitable repair materials, such as **Epoxol® Putty**.

Priming: Before applying **Neopox® CR**, it is recommended to apply the appropriate **NEOTEX®** primer, depending on the substrate.

Mixing: Prior to mixing, mechanical stirring of component A is recommended for app. 1 minute. Then component B is added into component A at the predetermined ratio and the two components are mixed for app. 3-5 minutes with a low speed stirrer until the mixture is homogeneous. The mixture is then left for app. 1-2 minutes before being applied onto the substrate.

Application: **Neopox® CR** is applied by roller, brush or airless spray, in two or more layers. In case the recoating takes place after 24 hours have passed, it is advisable that the surface is sanded lightly.

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Notes	• Application conditions: Surface moisture: <4%, Relative atmosphere moisture: <70%, Ambient and substrate temperature: +12°C min. / +35°C max. • **Neopox® CR** should not be applied under wet conditions, or if wet conditions are expected to prevail during the curing period of the product • Low temperatures and high humidity during application prolong the drying time. while high temperatures reduce it • Due to the nature of the material, its direct and continuous exposure to UV radiation may cause chalking over time • Unsuitable for permanent contact with unleaded gasoline
Packing	Sets of 10kg
Colour	Grey
Cleaning of tools	By **Neotex® 1021** immediately after application
Stain removal	While still wet, with solvent **Neotex® 1021**. If it has hardened, by mechanical means, in cases where it is possible.
Safety Precautions	See Safety Data Sheets.
Storage stability	2 years, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.

Chemical Resistance			
	1 Hour (+20°C)	5 Hours (+20°C)	24 Hours (+20°C)
Phosphoric Acid (10%)	C	C	C
Phosphoric Acid (20%)	C	C	C
sulphuric acid (10%)	C	C	C
sulphuric acid (20%)	C	C	C
Hydrochloric Acid (10%)	B	B	C
Hydrochloric Acid (20%)	C	C	C
Lactic Acid (10%)	B	C	C
Lactic Acid (20%)	B	C	C

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Nitric Acid (10%)	A	B	C
Nitric Acid (20%)	B	D	C
Sodium hydroxide - caustic soda (10%)	A	A	A
Formaldehyde (10%)	A	B	B
Ammonia (10%)	A	A	B
Chlorine (5%)	A	A	A
Diesel (10%)	A	A	A
Gasoline	A	A	A
Xylene	A	A	A
M.E.K	A	A	B
alcohol 95^0	A	A	A
saltwater 15%	A	A	A
Engine oil	A	A	A
Red wine	A	A	A

(A) EXCELLENT RESISTANCE

(B) GOOD RESISTANCE (LIGHT DISCOLORATION)

(C) POOR RESISTANCE (INTENSE DISCOLORATION)

(D) NO RESISTANCE

Chemical Resistance	
	Permanently (+20°C)
Phosphoric Acid (15%)	C
sulphuric acid (15%)	D
Hydrochloric Acid (15%)	C

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Neopox® CR

Lactic Acid (15%)	C
Nitric Acid (15%)	C
Sodium hydroxide - caustic soda (15%)	A
Formaldehyde (15%)	A
Ammonia (15%)	A
Chlorine (5%)	B
Xylene	B
saltwater 15%	A
Red wine	A

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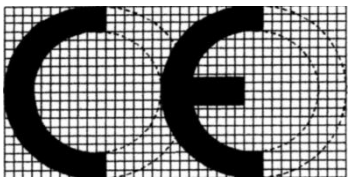

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Dop No /4950-53

EN 1504-2

Neopox® CR

Surface Protection System for Concrete

Coating

Water Vapour Permeability	Class II
Adhesion Strength	≥1.5 N/mm^2
Capillary Absorption	W<0.1 Kg/m^{2}h$^{0.5}$
Permeability to CO_2	S_D>50m
Reaction to Fire	Euroclass F
Dangerous Substances	Comply with 5.3