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THESSALONIKI: Ionias Str., GR 57009 Kalochori, Thessaloniki, Greece, Tel.: +30 2310 467275, Fax: +30 2310 463442

## Neopress®

### Crystalline brushable waterproofing mortar

#### Fields of application

**Neopress®** is a crystalline brushable waterproofing mortar, suitable for applications on concrete substrates and other building surfaces, for the waterproofing of basements, walls, tanks, swimming pools, manholes, planter boxes, silos, surfaces under tiles, etc.

#### Properties

**Neopress®** seals the pores of the concrete, providing absolute impermeability. It has excellent adhesion to numerous building surfaces. It exhibits high resistance to positive and negative hydrostatic pressures, as well as excellent crack-bridging properties. For enhanced properties, in case of demanding applications, it is possible to mix it with the co-polymeric emulsion **Revinex®**. **Neopress®** has been shown to provide excellent durability and impermeability to water in response to the European Norm EN 934-3. Certified with CE (EN 1504-2)

#### Technical characteristics

Consumption	2-2,5kg/m <sup>2</sup> for two layers (cementitious substrate)
Time of workability (+25°C)	30' min
Drying time per layer (+20°C)	4-6 hours
Density (EN ISO 2811-1:2011)	1,062g/cm <sup>3</sup>
CO <sub>2</sub> permeability Sd (EN 1062-6:2002 Method A)	41,9m
Water vapor permeability V (EN ISO 7783:2011)	10,6 g/(m <sup>2</sup> ·d)
Water permeability w (EN 1062-3:2008)	0,020 kg/ (m <sup>2</sup> x h <sup>0,5</sup> )
Adhesive strength (EN 1542:2001)	1,62 N/mm <sup>2</sup>
Tensile strength (28 days DIN 53504, enriched with Revinex®)	3,63N/mm <sup>2</sup>
Elongation at break (28 days DIN 53504)	3,13%
Compressive strength in 28 days (EN 1015-11)	32,13Mpa
Resistance to penetration (EN 1015-9)	12,76N/mm <sup>2</sup>

## Neopress®

Water absorption (EN 1015-8)

0,4kg/m<sup>2</sup> min 0,5 (class W1)

### Instructions for use

*Surface preparation:* The surface must be dry and protected from rising moisture, stable, clean and free of dust, grease, oils and loose materials. Older coatings and loose materials must be completely removed by brushing or by the use of a suitable sander and a high suction vacuum cleaner. The cementitious substrate must be mechanically prepared by appropriate means (e.g. grinding, water-jetting, etc.), to smooth out irregularities, open the pores and create conditions for optimum adhesion. General repairs to the substrate, filling of gaps, surface smoothing, etc. can be achieved by using appropriate repairing products, such as the fiber-reinforced non-shrinking cementitious repairing mortar **Neorep®**. In spots where there is water flow, it is recommended to use the fast-setting mortar **Neostop®** before applying **Neorep®**. The application surface should be sufficiently moistened, without any ponding water ("saturated surface-dry condition").

*Mixing:* In a quantity of 7-7,5 kg of water, 25kg of **Neopress®** are gradually added, stirring at the same time with a stirrer, in order to make the mixture homogeneous. In case of adding **Revinex®**, the ratio 5kg **Revinex®**: 5kg water: 25kg **Neopress®** is recommended. For cases of lower **Revinex®** addition, the amount of water is adjusted accordingly.

*Application:* The mixture is applied by brush on the moistened surface. Once the first layer is dry, the second layer is applied in a different direction, after the first one has been slightly moistened. Each subsequent layer may be applied in the same way. The thickness of each layer should not exceed 1mm in thickness, in order to ensure the proper curing of the material. For greater thickness and increased tear resistance, it is recommended to apply the material reinforced with the alkali-resistant fiberglass mesh **N-Thermon® Mesh 90gr** (application of two layers "wet-on-wet", with the fiberglass mesh between them).

### Notes

- Application conditions: Minimum application temperature: +5°C
- After applying the final layer, it is recommended to frequently moisten the surface for app. 3-5 days and protect it against the weather conditions (direct sunlight, wind, rain and frost)
- Neopress® should not be applied if wet or rainy conditions are expected to prevail during the curing period of the product.

### Colours

Grey

### Cleaning of tools & stain

By water immediately after application

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## Neopress<sup>®</sup>

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**removal**

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**Packing**

Plastic containers 25kg

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**Storage stability**

2 years, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.

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**Safety precautions**

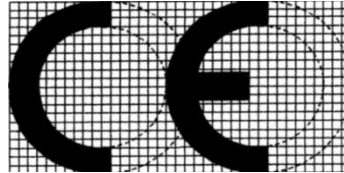
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See safety data sheets.

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19600, ΒΙ.ΠΑ Μάνδρα Αττικής  
(Εργοστάσιο παραγωγής 1)

NEOTEX S.A  
V. Moira str., P.O. Box 2315  
GR 19600 Industrial Area Mandra, Athens, Greece  
(Production factory 1)

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Dop No/4950-55

EN 1504-2

Neopress®

Σύστημα προστασίας επιφανειών σκυροδέματος

Surface Protection System for Concrete

Επικάλυψη

Coating

Διαπερατότητα υδρατμών /Water Vapour Permeability	Κατηγορία/Class I
Αντοχή αποκόλλησης /Adhesion Strength	≥1.0N/mm <sup>2</sup>
Τριχοειδής απορρόφηση και υδατοπερατότητα/ Capillary Absorption	W<0.1Kg/m <sup>2</sup> h <sup>0.5</sup>
Διαπερατότητα σε CO <sub>2</sub> /Permeability to CO <sub>2</sub>	S <sub>D</sub> >50m
Αντίδραση στη φωτιά/Reaction to Fire	Ευρωκατηγορία F/Euroclass F
Επικίνδυνες ουσίες/Dangerous Substances	Σύμφωνα με 5.3/Comply with 5.3

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.