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THESSALONIKI: 10th km N.R THESSALONIKIS-POLIGIROU, 57001, THERMI THESSALONIKI, GREECE, TEL.:+30 2310 467275, FAX: 2310 463442

# Neopress<sup>®</sup>

## Crystalline, brushable sealing slurry

### Fields of application

**Neopress<sup>®</sup>** is suitable for insulating and waterproofing, wells, jardinières, silos, underground rooms and basements, tunnels, walls, as well as surfaces to be covered with tiles.

### Properties

- Excellent adhesion on concrete, cement mortars, bricks, cement blocks, mosaic, etc.
- Fills and seals the pores of the surface and thus offers total impermeability to water and protection against corrosion
- Shows resistance to positive and negative hydrostatic pressure and bridges cracks and cavities
- For applications that demand very high water impermeability, it is suggested to add **Revinox<sup>®</sup>** emulsion (in ratio up to 20%), which offers increased elasticity and durability in time
- **Neopress<sup>®</sup>** 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

<b>Density</b>	1,30±0,05g/cm <sup>3</sup> (grey)
	1,24±0,05g/cm <sup>3</sup> (white)
<b>Consumption</b>	2-2,5kg/m <sup>2</sup> for two layers
<b>Water permeability w (EN 1062-3:2008)</b>	0,00kg/(m <sup>2</sup> x h <sup>0,5</sup> )
<b>Absorption coefficient (24h) (EN 1062-3:2008)</b>	0,00kg/m <sup>2</sup>
<b>Adhesive strength (EN 1542:2001)</b>	1,33N/mm <sup>2</sup>
<b>Density (EN ISO 2811-1:12011)</b>	1,086g/cm <sup>3</sup>

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<b>Water vapor permeability <math>\Lambda</math> (EN 7783-1:1999)</b>	0,002g/cm <sup>2</sup> d <sup>-1</sup>
<b>Resistance coefficient to diffusion (EN 7783-1:1999)</b>	298,9
<b>Coefficient Sd (EN 7783-1:1999)</b>	2,93m
<b>CO<sub>2</sub> permeability (EN 1062-6:2002 Method A)</b>	0,78g/(m <sup>2</sup> d)
<b>Resistance coefficient <math>\mu</math> (EN 1062-6:2002 Method A)</b>	6348,47
<b>Coefficient Sd (EN 1062-6:2002 Method A)</b>	62,21m
<b>Tensile strength</b>	3,63N/mm <sup>2</sup> (28 days DIN 53504, enriched with <b>Revinox<sup>®</sup></b> )
<b>Elongation at break (28 days DIN 53504)</b>	3,13%
<b>Compressive strength in 28 days (EN 1015-11)</b>	32,13Mpa
<b>Resistance to penetration (EN 1015-9)</b>	12,76N/mm <sup>2</sup>
<b>Water absorption (EN 1015-8)</b>	0,4kg/m <sup>2</sup> min 0,5 (class W1)
<b>Adhesion to substrate (EN 1015-12)</b>	0,4N/mm <sup>2</sup>

## Neopress®

### Instructions for use

*Surface preparation:* The substrate should be clean, free from dust, greasy or oily substances, poorly adhering material, and should be sufficiently damp.

*Mixture preparation:* Dilute 2,5kg **Revinex®** with 2,5kg water and gradually add 12,5kg **Neopress®** under continuous and intense agitation with a mechanical stirrer until the slurry is homogeneous.

*Application:* Apply the mixture using a brush or roller using 1 kg/m<sup>2</sup> **Neopress®** for each layer. When the first coat is dry (after 4 to 6 hours depending on weather conditions), apply the second layer working in a direction vertical to the way the first coat was applied.

In cases where negative pressure is high (such as basements), prepare a priming layer by diluting the mortar in water by 30%. Then apply two more layers as described above.

In cases of lower requirements, the ratio of 2.5:1 should be maintained between the solid-liquid, e.g. 1,5kg **Revinex®**, 3,5kg water and 12,5kg **Neopress®**.

Add gradually 25kg powder **Neopress®** to the liquid component (5kg **Revinex®** and 5kg water) using a low-rev stirrer to avoid air being dragged into the mix. Keep stirring until a perfectly homogenous mix is obtained.

### Notes

It is advisable to dampen the coat after the application of the mortar to avoid dehydration and crack formation.

### Colours

Grey and white.

### Packing

**Neopress®**: plastic container 25kg

**Revinex®**: containers 1kg,5kg,18kg and 200kg drum

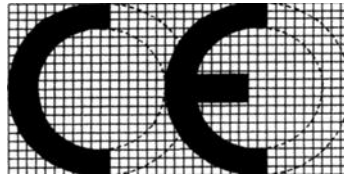
### Storage stability

2 years, sealed in its original packing, protected from frost and direct exposure to sun.

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1922

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1922-CPR-0386  
DoP No. Neopress + Revinex /4950-04  
EN 1504-2  
Neopress + Revinex

Surface protection system for concrete

Coating

Water vapour permeability	:	Class I
Capillary absorption and permeability to water	:	$W < 0,1 \text{ kg/m}^2 \text{ h}^{0,5}$
Adhesion strength	:	$\geq 0,8 \text{ N/mm}^2$
Permeability to CO <sub>2</sub>	:	$s_D > 50 \text{ m}$
Reaction to fire	:	Euroclass F
Dangerous substances	:	Comply with 5.4