

Neocret[®]

Cementitious fiber-reinforced, fast setting mortar, for repair jobs on concrete

Fields of application

It is suitable for easy and durable restoration jobs in buildings, repairs of damaged, cracked or broken concrete elements (e.g. columns, beams, slabs, stairs, holes, doors, windows (frames, bases), cracks and joints on concrete. It can be used as a repairing renders in a spot thickness of 30mm after electrician or plumber jobs or on walls and ceilings in one single coat of 15mm.

Properties

- **Neocret[®]** is a ready to use premixed mortar of high thixotropy.
- It is a fast setting and fiber reinforced
- The addition of water provides a mix, which is easily applied on vertical surfaces and ceilings by means of trowel or rendering machine
- It offers great resistance to damp and frost.
- It is classified as type GP CS IV, W1 mortar according to EN 998-1.

Technical Characteristics

Mix appearance	White powder
Density	1,95gr/cm ³
Water per 100kg Neocret [®]	16-18lt
Consumption of fresh mix	1,5-1,8Kg/m ² /mm
Minimum temperature for application	+5°C
Resistance to temperature	From -10°C to +70°C
(Pot life) (+25°C)	1 hour
Compressive strength	22,8N/mm ² (EN 1015-11:1999)
Flexural strength	9,4N/mm ² (EN 1015-11:1999)
Dry bulk density	1,631Mg/m ³ (EN 1015-10:2000)
Absorption Coefficient (24 h)	0,302kg/m ² (EN 1015-18:2003)

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Adhesion resistance 1,55N/mm² (EN 1015-12:2000)

Maximum grain size 1mm

Vapor Permeability Λ 0,007g/cm² * d⁻¹ (EN 1015-19:1998)

Resistance coefficient in diffusion μ 233,8 (EN 1015-19:1998)

Instructions for use

- Careful cleaning of the surface and removal of dust, oil, grease, traces of rust to achieve a solid substrate.
- In case of anticorrosion protection of steel reinforcement is needed to apply two layers of cement based anticorrosive coating **Ferrorep[®]**.
- Good wetting of the spots to be repaired at least 6-12hours before mix application
- Add 25 kg **Neocret[®]** into 4-4,5L water and mix with a low speed mechanical stirrer or with a rendering machine, till you obtain a homogeneous paste without lumps. The mortar is applied with trowel or spray in continuous layers of thickness up to 1,5 cm each. Finishing may be performed by smoothing the surface with a wooden or plastic plastering trowel. This last operation may be performed when the mortar begins to set, i.e. when the fingers no longer sink in the mortar (touch dry).
- The addition of **Revinex[®]** at a rate 1-2 kg **Revinex[®]** /25kg **Neocret[®]** improves adhesion properties of the mortar to concrete, brick and reinforcement whereas it grants enhanced waterproofing and duration to time and compression.

Notes

- Low temperatures and high humidity during application prolong drying time, while high temperatures decrease it. Thus pot life usually ranges from 30 minutes to 1hour.
- When it is used in places, which are completely exposed to the sun, wetting during drying of the mortar for 24-48hours is recommended, especially when high temperatures prevail.

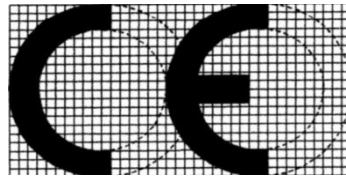
Packing Bags in 25kg and 5kg.

Storage stability At least 12 months when kept sealed in its original container in dry and covered place.

ATHENS: V. MOIRA, INDUSTRIAL AREA MANDRA, 19600, ATHENS, GREECE, TEL.:+30 210 5557579, FAX: +30 210 5558482

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

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NEOTEX S.A.
V.Moira str., P.O. Box 2315
GR 19600 Industrial Area Mandra, Athens, Greece

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EN 998-1
Neocret
General purpose rendering mortar (GP)
for external and internal use

Reaction to fire	A1
Compressive strength	CS IV
Adhesion	≥ 0,8 N/mm ² FP: B
Water absorption	W1
Water vapour diffusion coeff. (μ)	μ≤20
Thermal conductivity (λ _{10,dry,mat})	λ _{10,dry,mat} = 0,45W/mK