

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.

Technical Characteristics

EN 1504-3

Mix appearance

White powder

Density

1,95gr/cm³

Water per 100kg Neocret[®]

16-18lt

Consumption of fresh mix

1,5-1,8Kg/m²/mm

Minimum temperature for application

+5°C

Resistance to temperature

From -10°C to +70°C

(Pot life) (+25°C)

1 hour

Compressive strength

24,7N/mm² (EN 12190)

Flexural strength

9,4N/mm² (EN 1015-11:1999)

Dry bulk density

1,631Mg/m³ (EN 1015-10:2000)

Thermal compatibility(freeze-thaw cycle)

1,06N/mm² (EN 13687-1)

Capillary absorption (24 h)

2,80kg/m² (EN 13057)

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.

Neocret[®]

Adhesion resistance	1,37N/mm ² (EN 1542)
Maximum grain size	1mm
Chloride ion content	0,014% (EN 1015-17)
Vapor Permeability Λ	0,007g/cm ² * 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.

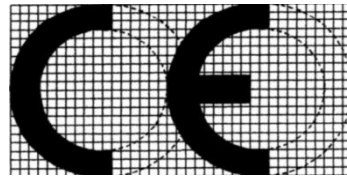
Packing

Bags in 25kg and 5kg.

Storage stability

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

Neocret®



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DoP No. Neocret/4950-11

EN 1504-3

NEOCRET

Concrete repair product for non-structural repair

Compressive Strength	≥ 15MPa
Chloride ion content	≤ 0.05%
Adhesion Strength	≥ 0,8 MPa
Thermal compatibility part 1	≥ 0,8 MPa
Capillary Absorption	≤ 0.5Kg/m ² h ^{0.5}
Reaction to fire	A1
Dangerous substances	Comply with 5.4