Neocret[®]

Cementitious fiber-reinforced mortar of high thixotropy, for repairing applications

Description

Cementitious fiber-reinforced mortar of high thixotropy, for repairing applications

Fields of application

 For easy and durable non-structural repairing jobs on damaged, cracked or broken concrete elements

- As a repairing plaster, either locally (in a thickness up to 30mm) or in wider areas (in a thickness up to 15mm)
- Ideal solution for repairs at edges and corners or filling holes and imperfections after electrical works, etc.

Properties - Advantages

- Ready-to-use fiber-reinforced mortar of high thixotropy
- Fast drying and easily applied, both on vertical surfaces and ceilings
- Very good resistance to humidity
- High adhesion on various construction substrates

Certificates – Test reports

- CE certification according to EN 1504-3
 Classified as a concrete repairing mortar of Class R2
- Test report by the external independent quality control laboratory Geoterra (No. 2015/397 & 43/2013)

Technical characteristics		
Water requirement per bag of 25kg	4-4,5L	
Maximum grain size (D _{max})	1,6mm	
Chloride ion content (EN 1015-17)	≤0,05%	
Compressive strength (28 days, EN 12190)	≥20MPa	
Flexural strength (28 days, EN 1015-11)	≥8MPa	

Neocre

Packing 25kg and 5kg

> Colour White



TECHNICAL DATA SHEET



Adhesion strength (EN 1015-12)	≥1,5N/mm ²	
Resistance to freeze-thaw cycling with de-icing salts (EN 13687-1)	≥1,0MPa	
Capillary absorption (EN 13057)	<0,5kg/m ² h ^{0,5}	
Reaction to fire (EN 13501-1)	Class A1	
Maximum application thickness per layer (locally)	3cm	
Consumption: 1,5-1,8kg/m ² per mm of thickness		

Application conditions - Curing details		
Application temperature (ambient - substrate)	+5°C min. / +35°C max.	
Pot life (+25°C)	~45 minutes	

Instructions for use

Substrate preparation

The surfaces must be stable, clean, protected from rising moisture and free of dust, oil, grease and loose materials. The cementitious surface must be saturated thoroughly with water to achieve a saturated surface-dry (SSD) condition, without any ponding water.

Application

To the indicated amount of clean water, the respective amount of **Neocret**[®] is gradually added, while stirring with a low-speed stirrer, in order to obtain a homogeneous mixture, with the desired workability. Then, the mortar is applied on the surface by trowel or spatula and in a thickness within the specifications of the material. As soon as the mortar begins to set, finishing may be done by a plastering trowel.

In case of applying multiple layers, the previous layer should be roughened and its surface should be moistened again.

Special notes

- Neocret[®] should not be applied under wet conditions, or if wet conditions or rainy weather are expected to
 prevail during the curing period of the product
- It is advisable that the stirring of the mixture is done mechanically and not manually with a rod, etc.
- When the mixture starts to harden, it is not recommended to add any extra water for improving its workability
- Workability and drying times are prolonged by low temperatures and high humidity during application and/or curing, while they are reduced by high temperatures
- The fresh mortar should be protected from fast drying by proper means. In applications with direct exposure to the sun, and especially when high temperatures prevail, it is recommended to regularly wet the mortar for 24-48 hours after the application, in order to prevent cracking from fast dehydration and to achieve the proper curing of Neocret[®]

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Appearance	Cementitious mortar
Colour	White
Packing	25kg and 5kg in bags
Cleaning of tools – Stains removal	By water immediately after application. In case of hardened stains, by mechanical means
UFI code	FPH0-F05E-A005-59TM
Storage stability	1 year, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight



CE

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DoP No.: 4950-11

EN 1504-3

Neocret®

Mortar for non-structural concrete repair

Class R2
≤0,05%
≥0,8MPa
≤0,5kg/m ² h ^{1/2}
≥0,8MPa
Complies with 5.4
Euroclass A1

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 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.

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