

CAREX

NANOSTRUCTURED COLOURED PLASTER

What is CAREX

CAREX is a new coloured plaster with nanostructured special particles which give the product elevated values of water repellency and resistance to mechanical abrasion, that is impossible to obtain with traditional plasters.

CAREX is a final coat plaster in two components (COMPONENT A and COMPONENT B) which replaces both the final layer of plaster (final touch) and the paint.

CAREX can give both the protection and the decoration to the walls.

CAREX is based on hydraulic lime, white cement and carbonate or silica sands. The product is available in three different grain sizes: fine, medium and coarse depending on the decoration and the requested chromatic effect.

CAREX comes in a wide range of colours; it is possible to check the colour card with 120 ready colours or it is possible to prepare new ones on request.

CAREX is based on hydraulic lime so, during the drying time, white spots could appear on the surface. This phenomenon is typical for this type of plaster. The use of light colours can mask the formation of the spots while the use of dark colours stretches to evidence the phenomenon.

Where you can use CAREX

The presence of advanced nanoparticles make of **CAREX** a product especially suggested for the protection of external walls.

These inorganic nanostructures create a barrier on the external surface of the plaster without compromising the porosity and therefore the traspirability; at the same time they increase the hardness and the water repellency of the surface. The nanostructures also increase the workability of the product.

CAREX can be applied also on fresh mortar. This allows to cut off the working time and its costs.

How to prepare CAREX

CAREX must be used only with its component B in order to obtain a final coat plaster whose colour can be reproduced easily. **CAREX** is ready to use and it needs no additives. Pour component A (powder) in component B (liquid) and stir a few minutes avoiding lumps or until they disgregate.

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In order to prepare the plaster must be mixed the two components A and B in the following proportions:

● **FOR GRAIN MEDIUM AND COARSE**

Mix 1 paper bags of component A with 1 container of component B.

● **FOR GRAIN FINE**

Mix 1 paper bags of component A with 1 container of component B and add with 2.5 lt of water.

IMPORTANT: in order to obtain the best workability water must be added to the fine grain mixture.

To prepare greater amount of product maintain the same proportion.

How to apply CAREX

CAREX can be applied with trowel and special spatulas.

Apply the product in only one coat (thickness about 3 mm) and work with a special spatula, when the CAREX is still humid. Don't wet the surface with water to obtain decorative texture that you want. Don't apply CAREX on the surface when it's too hot or freezing.

Apply CAREX with temperature between +5°C e +30°C.

To obtain chromatic effect without defect, it is necessary to apply the product in only one step on the all façade. Protect the wall from the water after the application of CAREX for more than 4-6 days to obtain a correct development colour.

How to prepare the support

The surfaces to treat must be homogeneous, clean, without irregularity and well cohered. Remove dusty or friable remaining, algae or other defect. Before the application of CAREX it is necessary to humidify the support, especially if there are high temperature and strong ventilation. For the application on fresh plaster wait 48 hours before the application of CAREX. If the support is irregular, smooth the surface before application of CAREX, in order to avoid defect.

Packing

COMPONENT A: paper sacks of 25 kg
COMPONENT B: containers of 12,5 kg

- EASY TO WORK AND TO APPLY
- LOW WATER ABSORPTION
- EXCELLENT MECHANICAL RESISTANCE
- HIGH ADESION
- WIDE CROMATIC SCALE
- MAX COLOUR REPRODUCIBILITY

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Technical properties

COLOUR	Up 100 different colours (see the colour card) Possibility of customized colours
GRAIN SIZE	Fine (max 150 µm) Medium (max 0.6 mm) Coarse (max 1.4 mm)
DILUTION	For medium and coarse grain: do not diluite For fine grain: add 2.5 lt of water (see " <u>How to prepare CAREX</u> " in this sheet)
WORKABILITY TIME	2-3 hours (24 hours in closed container)
THEORETICAL YIELD	1.5 kg/m ² per mm
STANDARD PACKING	COMPONENT A: paper sack of 25 kg COMPONENT B: container of 12.5 kg
STORAGE	Store the original closed containers at temperature between +5°C e +40°C and protect from the effects of weathering.
TOOLS WASHING	With water

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Properties of hardened mortar

CAREX has been tested according to the norm UNI EN 998-1 (CR).

BULK DENSITY	1800 kg/m ³	UNI EN 1015-10
FLEXURAL STRENGTH	1.42 N/mm ² 28 day	UNI EN 1015-11
COMPRESSION STRENGTH	2.08 N/mm ² 28 day Category CS II	UNI EN 1015-11
WATER ABSORPTION COEFFICIENT	1.00 kg/m ² min ^{0.5} Category W0	UNI EN 1015-18
VAPOUR PERMEABILITY COEFFICIENT	µ = 15	UNI EN 1015-19

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To ensure that you are using the latest and most complete information, please contact our technical service.

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