



Rev 0  
12/21



# GRAUTEK RASANTE

Smoothing pre-blended cementitious mortar for variable thickness smoothings from 1 to 4 mm on concrete



## DESCRIPTION

GRAUTEK RASANTE is a mono-component product based on special binders, extremely pure quartz carefully selected and special additives for easy implementation. Suitable for smoothing and surface finishing of interior and exterior plaster with excellent aesthetic effect.

## FEATURES

The ready-to-use GRAUTEK RASANTE formulation allows greater workability of the dough, high adhesion to the support, high adhesive power and high flowability during the drafting phases, as well as excellent steam permeability characteristics. GRAUTEK RASANTE meets the principles of EN 1504-9 ("Products and Systems for the Protection and Repair of Concrete Structures: Definitions, Requirements, Quality Control and Compliance Assessment, General Principles for the Use of Products and Systems") and to the requirements of EN 1504-2: C coating for moisture control - MC principle - and coating C for increasing resistivity by limiting moisture content - IR principle-

## FIELDS OF APPLICATION

GRAUTEK RASANTE finds its main applications for civil smoothing and finishing of all types of concrete and masonry:

- To be repaired, subject to moisture infiltration;
- Regularization before painting;
- Wall smoothing before tiling.

The product can be applied by hand or by spraying even vertically with thicknesses of 1 to 4 mm maximum.

Do not use the product on: substrates with stagnant water, flexible surfaces, plasterboard, plasters and gypsum, varnished walls, wooden walls, asbestos-cement.

## SUPPORT PREPARATION

Make the support healthy, clean, compact, without friable and oily parts, by sandblasting or hydro-cleaning, so that the product can be perfectly bonded.

## APPLICATION

GRAUTEK RASANTE mixed with water creates a liquid mortar, to be applied by spraying or spatula, after having saturated the surface with water.

Mix a 25 kg bag with a low speed spin drill with:

- 5-6 lt of clean water (for a towable consistency mortar);
- 7-8 liters of clean water (for a mortar suitable for spraying or brushing). Mix until homogeneity of the dough with no lumps.

Do not dilute with a quantity of water higher than that suggested. Do not use the product if the bag was already open or damaged.





Wet curing is very important, so during the hardening phase it is good to spray water or use our anti- evaporation TEKNAPUR 31, especially if the product is applied in ventilated or sunny environments. The support can be sanded even after 24 h.

## CONSUMPTION

Indicatively 1.5-2 kg / m<sup>2</sup> per mm of thickness, depending on the porosity and the state of the support.

## PHYSICAL PROPERTIES

Physical state	powder
Color	cement grey
Granular distribution	0-500 µm
Pile density	1.32 ± 0.03 kg / dm <sup>3</sup>
Mortar mass	1.74 ± 0.03 kg / dm <sup>3</sup>
pH	≥ 12
Minimum thickness	≥ 1 mm
Maximum thickness	≤ 4 mm
Thickness per coat	approx. 2 mm
Application temperature	+ 5 ° C to + 35 ° C
Dmax	< 1mm

## FINAL PERFORMANCE

PERFORMANCE CHARACTERISTICS	TEST METHOD	REQUIREMENTS Coating (C) MC and IR principles	PRODUCT PERFORMANCE
Compression resistance	EN 12190	Not required	6 MPa
Chlorine ion content	EN 1015-7	S 0,05 %	0,02 %
Adherence to support	EN 1542	2,0 MPa	>2,20
Water steam permeability	EN 150 7783-1	Class I So< S	So< 5
Frost-thaw temporal compatibility	EN 13687-1	Binding strength after 50 cycles ≥ 2,0 MPa	> 2,10
Reaction to fire	Euro class	Class declared by the manufacturer	A1

## STORAGE

GRAUTEK RASANTE in its original packaging and correctly stored in a dry place, it retains its characteristics for a year at temperatures between + 5 ° C and + 35 ° C. The moisture possibly adsorbed by the product will affect the effectiveness of the product: it is therefore advisable not to use the product if open or broken bag.

## PACKAGING

25 kg bags

## WARNINGS/PRECAUTIONS

Use full protective clothing. However, it is easily removed with soap and water from each surface. In case of accidental leakage, collect in dry state and dispose in an authorized landfill.

## LEGAL NOTES

The information contained in this leaflet, while representing the advanced knowledge, do not exempt the user from performing accurate preliminary tests in their conditions of employment and exercise. All responsibility for improper use of the product has been declined



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