



Rev 1  
03/24



# GRAUTEK RASANTE

Premixed cementitious skim coat for skim coats with thicknesses ranging from 1 to 4mm on concrete



## DESCRIPTION

GRAUTEK RASANTE is a one-component product based on special binders, suitably selected pure quartz and specific additives for easy installation.

Suitable for skimming and surface finishing of interior and exterior plasters with excellent aesthetic effect.

## FEATURES

The formulation of GRAUTEK RASANTE ready-to-use allows for greater workability of the mixture, high adhesion to the substrate, high adhesive power and high smoothness during the spreading phases, as well as excellent vapour permeability characteristics.

GRAUTEK RASANTE complies with the principles of EN 1504-9 ("*Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and conformity assessment. General principles for the use of products and systems*") and the requirements of EN 1504-2: C coating for moisture control – MC principle – and C coating for increasing resistivity by limiting moisture content – IR principle -.

## FIELDS OF APPLICATION

GRAUTEK RASANTE finds its main applications for the skimming and finishing of all types of concretes and masonry:

- to be renovated, subject to moisture infiltration;
- Smoothing parts before painting
- Smoothing of walls before laying tiles

The product can be applied by hand or spray, even vertically, with thicknesses from 1 to 4 mm maximum.

Do not use the product on:

- on substrates with standing water
- flexible surfaces,
- plasterboard, plaster and gypsum,
- Painted walls
- wooden walls
- asbestos-cement.

## PREPARING THE SUBSTRATE

Make the substrate healthy, clean, compact, without friable and oily parts, by sandblasting or hydrowashing, so as to allow perfect adhesion of the product.

## APPLICATION

GRAUTEK RAZOR mixed with water generates a fluid mortar, which can be applied by spray or trowel, after saturating the surface with water.

Mix a 25 kg bag with a low-speed whisk drill with:

SHEET



TEKNA CHEM S.p.A.

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- 5-6 litres of clean water (for a mortar with a spatulable consistency);
- 7-8 litres of clean water (for a mortar that can be applied by spray or brush).

Mix until the dough is completely homogeneous in the absence of lumps.

Do not dilute with more water than described. Do not use the product if the bag was already opened or damaged.

Moist seasoning is very important, so during the hardening phase it is a good idea to spray water or use our anti-evaporative TEKNAPUR 31, especially if the product is applied in ventilated or sunny environments.

The substrate can also be sanded after 24 hours.

## CONSUMPTION

Approximately 1.5-2 kg/m<sup>2</sup> per mm of thickness, depending on the porosity and condition of the substrate.

## PHYSICAL PROPERTIES

Physical Status	dust
Color	grey, white version on request
Particle size distribution	0-500 µm
Density in pile	1.32 ± 0.03 kg/ dm <sup>3</sup>
Density of mortar	1.74 ± 0.03 kg/ dm <sup>3</sup>
ph	12
Minimum thickness	1 mm
Maximum thickness	4 mm
Maximum thickness per layer	ca. 2 mm
Application Temperature	+5°C to +35°C
Dmax	< 1 mm

## FINAL PERFORMANCE

PERFORMANCE CHARACTERISTIC	TEST METHOD	REQUIREMENTS Coating (C) MC and IR principles	PRODUCT PERFORMANCE
Compressive strength	EN 12190	Unsolicited	6 MPa
Chloride ion content	EN 1015-7	S 0.05 %	0,02 %
Adhesion to the substrate	EN 1542	2.0 MPa	>2.20
Permeability to water value	EN 150 7783-1	Class I So< S	So< 5
Freeze-thaw time compatibility	EN 13687-1	Bond strength after 50 cycles ≥ 2.0 MPa	> 2.10
Reaction to fire	Euroclass	Class declared by the manufacturer	A1

## STORAGE & PRESERVATION

GRAUTEK SHAVING in its original packaging and properly stored indoors in a dry place, it retains its characteristics for one year at temperatures between +5°C and +35°C.

Any moisture adsorbed by the product affects the effectiveness of the product: it is therefore advisable not to use the product if the bag is open or broken.



## PACKS

Bags 25 kg

## WARNINGS/PRECAUTIONS

Use full protective clothing.

However, it can be easily removed with soap and water from any surface.

In case of accidental loss, it must be collected in a dry state and disposed of in an authorized landfill.

## LEGAL

The information contained in this data sheet, although it represents the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. We therefore decline any responsibility for improper use of the product.

### Tariff B.009.215.a

#### Pre-packaged mortars with polymer additives

The application of the mortar must be carried out after adequate preparation of the substrate (to be calculated separately).

The product must be applied on a clean and damp substrate.

The product must be CE marked in accordance with UNI EN 1504-3 with the Performance Assessment and Verification system 2+ among those attestation required by EU Regulation 305/11.

Supply and installation of two-component polymer cement mortar modified with acrylic resins for the protection, waterproofing and smoothing of slightly degraded concrete structures. The product must meet the following performance characteristics:

- adhesion to concrete (UNI EN 1542) = 0.8 MPa
- capillary absorption (UNI EN 13057) = 0.02 kg m<sup>-2</sup> h<sup>-0.5</sup>
- thermal compatibility measured as adhesion (UNI EN 1542) = 0.6 MPa
- *Crack bridging ability* measured at 23 °C (UNI EN 1062/7)
- Static: Class A3 (0.75 mm slot opening)
- Dynamic: Class B2 (slit opening at 0.05 mm)