

GAPER 3.30

Semi-fast setting, thixotropic, fibre-reinforced, cementitious technical mortar in white and grey, for interiors and exteriors



Exteriors and Interiors



Sack



Sponge float



Metal trowel

Composition

GAPER 3.30 is a controlled-shrinkage mortar made from special sulphate-resistant cement, inorganic fillers, extra-white carbonates (in the white version) synthetic fibres and additives to improve workability and adhesion.

Supply

- Special sacks with protection against moisture, approx. 25 kg

Use

GAPER 3.30 is used to skim coat concrete or plaster-coated surfaces, on walls, floors and ceilings, in thicknesses from 3 to 30 mm, to repair steps, depressions and holes in floor screeds.

Substrate preparation

The surface must be free from dust, dirt etc. Any traces of oil, grease, wax etc. must be removed beforehand. Deteriorated concrete that is becoming detached must be removed until you reach a solid, strong and rough substrate. For reinforced concrete, if the cleaning operations affect the reinforcement rods, you need to use BF 501 two-component cement grout.

Saturate the substrate before application.

Mixing

GAPER 3.30 is mixed with around 22-24% clean water (add around 5.5-6 litres for each 25 kg sack). It is mixed by hand or mechanical stirrer, for no more than 3 minutes. A first zero layer of the mix is then applied using a metal spatula. Additional layers are then applied while the mix is still wet, until reaching the required thickness (maximum 30 mm). For applications exceeding 3 cm, wait until previous coats have completely hardened. The product can be mixed with LATEX DE 80 as (partial) substitution of the water, so as to improve the product's adhesive qualities.

Warnings

- The fresh mortar must be protected against frost and quick drying. Since the hardening of the mortar depends on the hydraulic setting of the cement, a temperature of +5°C is suggested as a minimum value for application and for obtaining proper hardening of the mortar. Below this value, setting would be delayed excessively and below 0°C the fresh or partially hardened mortar could be broken up by frost.
- Paint and coatings must only be applied after the product has completely dried and cured.

GAPER 3.30 must only be used in its original state, without the addition of other materials.

Storage

Store in a dry place for no longer than 12 months.

Quality

GAPER 3.30 is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and checked.

Technical Data

Specific weight of the powder	approx. 1400 kg/m ³
Grading	< 0.6 mm
Yield	approx. 1.3 kg/m ² per mm in thickness
Mixing water	22-24%
Setting time at 20°C	approx. 5 hours
Flexural strength after 28 days	approx. 6 N/mm ²
Compressive strength after 28 days	approx. 17 N/mm ²
Modulus of elasticity after 28 days	approx. 13000 N/mm ²
Adhesion to concrete after 28 days	> 1 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 35$ tabulated value
Capillary water absorption coefficient (EN 1015-18)	$W1 c \leq 0.40 \text{ kg/m}^2 \cdot \text{min}^{0.5}$
Chloride content	Less than 0.02%
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.67 \text{ W/m-K}$ tabulated value
Complies with the EN 998-1 standard	GP-CSIV-W1
Compliant with standard EN 1504-3	CLASS R2

The above information refers to laboratory testing; it is possible that in practical applications on site it may differ according to the conditions in which the material is applied. In any case the user should verify that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.