

## adhesives and glues

# AG 50

**Light color powder adhesive for cellular cement blocks**



### Product description

Dry premixed adhesive based on selected inerts, hydraulic binder and special additives aimed at improving workability and grip.

### Supply and Storage

AG50 is supplied in bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact.



### Surface Preparation and Application

The areas of installation must be free from dust and dirt. Any traces of oils, fats, waxes, etc. must first be removed, as well as any inconsistent or brittle parts.

Prepare the dough by adding about 6 liters of clean water to each 25 kg bag of AG50 and mix by hand or with mechanical stirrer to obtain a homogeneous mixture free of lumps. The dough thus obtained has a pot life of about 4 hours. After being allowed to stand for 5 minutes, stir again and apply normally with the toothed spatula in the appropriate thickness, both on the bottom and on the sides.

Proceed quickly to install the blocks on the fresh product, tapping them with a rubber hammer, taking care to eliminate the excess product that emerges from between the blocks.

### Fields of use

AG50 is a premixed adhesive used to glue and skim plaster expanded cellular cement blocks (like Gasbeton, Ytong and so on). The surface should be level and consistent, clean and dry.

### Specifications

The cellular cement elements should be glued with the white powder adhesive AG50 from Fornaci Calce Grigolin, based on hydraulic binder, selected sands and special additives aimed at improving workability and grip, at a rate of 5-7 kg/m<sup>2</sup>.

The elements to be installed should be level and consistent, clean and dry. For the installation, use a toothed spatula.

### Technical data according to the UNI EN 12004 Standard

Specific weight	1.350 kg/m <sup>3</sup> determined in free fall
Available colors	white
Particle size	< 0,8 mm
Water in the mix	approx. 25%
Consumption as adhesive	5-7 kg/m <sup>2</sup>
Consumption as skim plaster	3 kg/m <sup>2</sup>
Pot life after mixing	approx. 4 ore
Open time	approx. 20 min.
Registration time	approx. 30 min.
Mechanical resistance to compression at 28 days	categoria CS IV
Adhesion to brick	0,8 N/mm <sup>2</sup>
Fracture type	A
Water vapor permeability ↔	12
Water absorbtion	W1
Fire resistance	A1 class
Thermal conductivity	0.45 W/mK (tabulated value)

### Disclaimers

Do not mix AG50 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Protect the masonry from direct rain for at least 24 hours. We do not recommend using AG50 when temperatures are below +5°C or above +30°C.

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