

adhesives and glues for coatings

AC 20 UNILIGHT

**Light color, powder adhesive skim
plaster with low thermal conduc-
tivity**



Product description

Dry premixed skim plaster based on selected inerts, polystyrene, hydraulic binders and special additives to improve workability and increase adhesive power.

Supply and Storage

AC20 Unilight 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 9 liters of clean water for every 25 kg bag of AC20 Unilight 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 10 minutes, stir again and apply as usual with the metallic spatula on the panel, tapping it if necessary, to make it well-adherent to the support. The panels must be falsely installed and they require fixing with the appropriate type of anchors.

Later, after at least 48-72 hours, proceed, by using the same product, to the shaving of the panels by using a metallic spatula, taking care to respect a minimum thickness of 3 mm. so that an alkali-resistant fiberglass mesh can be embedded. Before the finishing (decorative coating from the arteMURI line), wait for min. 14 days.

Fields of use

AC20 Unilight is a premixed adhesive used for leveling and gluing any type of insulation panels of the Grigotherm line. It is used to embed reinforcement meshes. Thanks to its special formula, it is particularly suited for all interventions which require low thermal conductivity values, even for the skim plaster layer.

Specifications

The insulation panels should be fastened with the white adhesive skim plaster AC20 Unilight from Fornaci Calce Grigolin, based on hydraulic binder, selected sands, polystyrene, resins and special additives to improve workability and grip, at a rate of 5 kg/m², when used as adhesive and 5 kg/m², when used as skim plaster. The installation areas should be clean and stable, then, after at least 48-72 hours, proceed to the shaving of panels by using the same product.

Technical data according to the UNI EN 998-1 Standard

Specific weight	1.050 kg/m ³ determined in free fall
Particle size	< 1,25 mm
Application thickness	5 mm
Water in the mix	approx. 36%
Consumption	8-10 kg/m ² (adhesive+skim plaster)* 4-6 kg/m ² (skim plaster)*
Pot life after mixing	approx. 4 hrs.
Mechanical resistance to compression at 28 days	CS III
Adhesion to brick	1 N/mm ²
Fracture type	A
Flexibility	good
Permeability to water vapor ↔	12
Water absorption	W1
Fire resistance	A1 class
Thermal conductivity	< 0.35 W/mK (tabulated value)

* Values depend on tile and surface type

Disclaimers

Do not mix AC20 Unilight with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using AC20 Unilight when temperatures are below +5°C or above +30°C. For the application onto thick plasters or thermal insulation plasters, check for proper curing.