



AC 20 UNILIGHT

Light-colored lightweight mineral adhesive skim coat with low thermal conductivity



Product description

Pre-mixed, dry, mineral skim coat adhesive based on selected, lightened mineral aggregate, hydraulic binder and specific additives that give the product good workability and considerable adhesiveness.

Supply and storage

AC 20 Unilight is supplied in 25 kg bags on stretchable pallets. Store in a cool, dry, non-ventilated area. Keep packaging intact.

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Substrate preparation and application methods

The installation surfaces must be free of dust and dirt. Any traces of oil, grease, wax, etc. must be previously removed, as well as any chalking or removable parts.

Before gluing the panels, carefully evaluate the state of the substrate.

In case of crumbling substrate, apply in a uniform way the water-based fixing agent ONE MICRO of the line arteMURI.

Concrete, reinforced concrete or similar surfaces must be completely clean and dry, as well as free from oils, release agents and any element that could compromise the adhesion of the adhesive. It is advisable, before gluing, to apply a coat of PRG 101 of the line arteMURI, pigmented aggrappante suitable as adhesion bridge thanks to its high binding power. Apply one coat of PRG 101 properly diluted, distributing the product evenly on the surface. The product is green pigmented to improve the visibility during the application. After at least 24 hours and within 48 hours from the application, in order to allow the complete drying of the product, proceed with the gluing of the insulating panels.

Prepare the mixture by adding, to each 25 kg bag of AC 20 Unilight, about 9 liters of clean water and mix by hand or with mechanical stirrer until the mixture is homogeneous and without lumps.

The mixture thus obtained can be worked for about 4 hours. After being left to rest for 10 minutes, stir again and apply normally with the notched trowel on the panel and glue the latter beating it, if necessary, in order to make it well adherent to the support.

Panels must be laid in any case staggered using, when necessary, the appropriate thermo-insulating dowels.

Then, after at least 48-72 hours, it will be possible, with the same product, to proceed with the smoothing of the panels using a metal spatula, taking care to respect a minimum thickness of 3 mm in order to drown the alkali-resistant glass fiber mesh.

Wait at least 14 days before applying the finish (wall coating of the arteMURI line).

Fields of use

AC 20 Unilight is a premixed adhesive that can be used to level and glue any type of insulating panel from the Grigothem line. It is used for embedding reinforcement meshes. Thanks to its specific formulation, it is particularly suitable for all operations in which low thermal conductivity values are required, even for the smoothing layer.

Specifications

The insulating panels will be glued with the skimming white mineral glue AC 20 Unilight by Fornaci Calce Grigolin, based on hydraulic binder, selected sands, lightened inert of mineral nature, resins and specific additives to improve the workability and the adhesion, at a rate of about 5 kg/m² for gluing and about 5 kg/m² for smoothing. The laying surfaces must be clean and stable; then, after at least 48-72 hours, it will be possible, with the same product, to proceed with the skimming of the panels.

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Warnings

Do not mix AC 20 Unilight with other substances. Avoid extreme temperature changes during the setting phase; the product must be protected from frost and rapid drying. Do not use AC 20 Unilight at temperatures below +5°C or above +30°C. For applications on thick plasters or on thermo-plaster, check the correct degree of seasoning.

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare modifiche tecniche di qualsiasi genere senza alcun preavviso.

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TECHNICAL DATA	PERFORMANCE
Specific gravity	1050 kg/m ³ deter. in free fall
Grain Size	< 1.25 mm
Application thickness	5 mm
Mixing water	36% approx.
Theoretical consumption	8-10 kg/m ² (bonding+smoothing)* 4-6 kg/m ² (only smoothing)*
Time of use after mixing	4 hours approx.
Compressive strength at 28 days	category CS III
Adhesion on brick	1 N/mm ²
Type of fracture	A
Flexibility	good
Water vapor permeability μ	12
Water absorption	W1
Reaction to fire	A1 class
Thermal conductivity λ	< 0.35 W/mK (tabulated value)

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