

USE	<p>Skim fiber-reinforced plaster/ mineral adhesive for bonding and levelling insulation panels suitable for the realization of thermal insulation systems, such as extruded and expanded aluminium, polystyrene, cork and mineral fibres both for indoor and outdoor walls and ceilings, on brick foundations, solid brick, plasters of new or old constructions, concrete and after application of an appropriate primer Acrilifix Special, it can even be used on gypsum bases.</p>
COMPOSITION	<p>Skim plaster / adhesive based on specific hydraulic binders, selected aggregates (silica sand), fibres and additives that give a rapid maturation, high adhesion, water resistance and ultimate strength.</p>
PROCESSING	<p>Warning:</p> <p>Do not use on metal surfaces or surfaces that have large deformations, such as panels in fibre cement.</p> <p>Do not apply to panels with protective films or that are extremely smooth.</p> <p>In the case of application on highly absorbent panels verify the absorption, in case it is not suitable which would compromise the durability of the artefact.</p> <p>Protect the artefact from rain, rain showers, strong wind for at least 48 hours after laying, and protect from frost or sun for at least 3 days after laying.</p> <p>Do not apply to frozen surfaces or at ambient temperatures below + 5° C.</p> <p>The application temperature of the product must be between +5 ° C and +30° C.</p> <p>Do not add other materials to 501.</p> <p>When laying EPS panels with graphite strictly follow the instructions of laying the slabs in accordance to the insulation manufacturer. It is advisable to use shade cloths to protect the panel from direct sunlight and to tessellate the insulation surface immediately after fixing them together.</p> <p>Check the suitability of the insulating panel and its implementing rules, in combination with 501 in order to perform the correct installation of the exterior insulation and finishing systems.</p> <p>Surface preparation: Remove any inconsistent material. Remove oils, release agents, dust, efflorescence, salt deposits, and any paint coatings, which are not perfectly adherent and stable. Ensure that the surface is sufficiently dry and absent of increasing dampness. Make sure that the foundations of new constructions have reached full maturity (usually 28 days after application, as specified by the manufacturer).</p> <p>Preparation of 501 mixture: It should be mixed with: 5.5 ÷ 5,75 litres of clean water every 25 Kg bag. (for fixing the panels) 5,75 ÷ 6 litres of clean water every 25 Kg bag. (for levelling out the panels) Use a whip drill at low speed until you obtain a mixture, which has a plastic consistency and is homogeneous within 3 minutes of mixing. Allow setting for about 10 minutes; prior to the application remix it for about 15 seconds.</p> <p>Fixing the panels: The adhesive surface must be at least 40% of the total area of the panel. Along the edges and on the diagonal margins of the panel lay a strip of 501 glue with a width of about 3 to 5 cm and a thickness of about 2 cm.</p>

When the fixing of the appropriate expansion bolts are expected, immediately insert them after the beating of the panel (the quantity of plugs to be used varies according to the type of insulation).

Levelling insulation surfaces:

Insulating Panels:

Reinforced skim plaster: After allowing the adhesive layer to dry (about 1 ÷ 3 days), apply 501 skim plaster over the entire surface of the panel and then emerge the reinforcing mesh (which is positioned outwards to 2/3 of the total thickness of the skim plaster and covered 1/3 by the skim plaster).

Finishing plaster:

Proceed with the application of the material by using a palette knife.

It is possible to obtain an ordinary finish by using a sponge float. After application, wait at least 14 days prior to applying thick coatings. During the summer and / or in the case of wind, the surface must be kept and made wet by spraying water for at least 48 hours.

Foundation plaster

Reinforced skim plaster: spread a layer of 501 evenly using a notched steel trowel, emerge the reinforcement mesh and apply subsequent layers until you reach ten centimetres, emerge it by applying a second coat on the already wet layer to create a single reinforced layer. For a guaranteed excellent efficacy the mesh must be completely embedded up to a third of the single layer.

Levelling finish: proceed with the application of the material by using a palette knife. It is possible to obtain an ordinary finish by using a sponge float. After application, wait at least 14 days prior to the application of other finishes. During the summer and / or in the case of wind, the surface must be kept and made wet by spraying water for at least 48 hours.

CONSERVATION AND STORAGE

The product can be stored up to 6 months in unopened packages.

The product must be stored at temperatures between +5 ° C and +30 ° C in a cool, dry place away from frost. Avoid exposing the bags for a long time to direct sunlight. After removing the protective polyethylene pallet, protect the bags from rain.

TECHNICAL FEATURES

	Value	Reg. Reg
SPECIFIC WEIGHT (Hardened mortar)	1,35-1,45 kg/l	UNI EN 1015-10
DRY RESIDUE (in weight)	100%	
YIELD (indicative depending on the type of base/foundation)	- Glue: 0.25-0.33 m ² /kg - Skim plaster: 0.77-0.83 m ² ·mm/kg	
RECOMMENDED THICKNESS	- Glue (depending on the type of insulation): 20 mm - Skim plaster (with embedded	

	mesh): 3-5 mm	
ADHESION	On concrete: $\geq 1 \text{ N/mm}^2$ On bricks $\geq 0,6 \text{ N/mm}^2$	UNI EN 1015-12
PARTICLE SIZE	0.7 mm	UNI EN 1015-1
COLOUR	Grey	
COMPRESSION RESISTANCE	$\geq 10 \text{ N/mm}^2$ (28 days)	UNI EN 1015-11
REACTION TO FIRE	Euro classe A1	UNI EN 13501-1
WATER VAPOR DIFFUSION COEFFICIENT	μ : 5-20	UNI EN 1015-19
WATER ABSORPTION - Category	$< 0.2 \text{ kg/m}^2 \cdot \text{min}^{0.5}$ W2	UNI EN 1015-18
APPLICATION TEMPERATURE	+5 °C +30 °C	

SPECIFICATION ITEM

Powdered adhesive-coat plaster, suitable for the production of insulating systems "thermal insulation coating" with polystyrene panels with an average consumption of 3.5 kg/m² for fixations and 1.25 kg/m²/mm for levelling out.

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23 °C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary.