

**USE**

Polystyrene sheets for bonding (expanded or extruded), polystyrene, cork, calcium silicate, mineral fibre panels or equivalent materials, both for vertical and horizontal brick foundations, concrete, brick, solid brick and plaster in general. After application of an appropriate primer Acrilifix Special, it can even be used on substrates or gypsum-based plaster. Suitable for the production of levelled insulating surfaces, or for the preparation of possible finishing treatments.

**COMPOSITION**

Product based on white cement, selected aggregates, quartz, glass beads, fibres and additives that give a high adhesion, lightweight, easy to spread, and ultimate strength.

**PROCESSING****Warning:**

Do not use on metal surfaces or surfaces that have large deformations, such as fibre cement panels.

Do not apply to panels with protective films or that are extremely smooth. In the case of application of panels of wood fibre verify the absorption, in case it is not suitable which would compromise the durability of the artefact. 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 7 days after laying.

Do not apply to frozen surfaces or at ambient temperatures below + 5 ° C. The application temperature of the product must be between +5 ° C and +30 ° C.

Do not add other materials **502**.

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 the shade cloths to protect the panel from direct sunlight and tessellate the surface of insulation immediately after bonding.

Check the suitability of the insulating panel and its implementing rules, in combination with **502** in order to perform the correct thermal insulation for thermal insulation coating.

**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).

**Preparation of 502 mixture:** It should be mixed with:

**5.3 ÷ 5.5** litres of clean water every 18 Kg bag. (for fixing the panels)

**5.5 ÷ 5.8** litres of clean water every 18 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 3-5 minutes of mixing.

Allow setting for about 5 minutes; prior to the application remix it for about 15 seconds.

**Fixing the panels:** Along the edges and on the diagonal margins of the panel lay a strip of **502** glue with a width of about 3 to 5 cm and a thickness of about 2 cm. 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:**

**Panels:** After allowing the adhesive layer to dry (about 2 ÷ 3 days), apply **502** 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).

**Foundation plasters:**

**Reinforced skim plaster:** spread a layer of **502** evenly using a notched steel trowel, emerge the reinforcement mesh and apply a layer over the other 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 12 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 FEATURE

	Value	Reg. Reg
<b>SPECIFIC WEIGHT</b> (Hardened mortar)	0,75-0,85 kg/l	UNI EN 1015-10
<b>DRY RESIDUE</b> (in weight)	100%	
<b>YIELD</b> (indicative depending on the type of base/foundation)	- Glue: 0.4-0.5 m <sup>2</sup> /kg - Skim plaster: 0.91-1 m <sup>2</sup> *mm/kg	
<b>RECOMMENDED THICKNESS</b>	- Glue (depending on the type of insulation): 20 mm - Skim plaster (with embedded mesh): 3-5 mm	
<b>ADHESION</b>	On concrete: ≥ 0.6 N/mm <sup>2</sup>	UNI EN 1015-12
<b>PARTICLE SIZE</b>	Max 1mm	UNI EN 1015-1
<b>COLOUR</b>	White	
<b>COMPRESSION RESISTANCE</b>	≥ 6 N/mm <sup>2</sup> (28 days)	UNI EN 1015-11
<b>REACTION TO FIRE</b>	Euro classe A1	UNI EN 13501-1
<b>WATER VAPOR DIFFUSION COEFFICIENT</b>	μ : 5-20	UNI EN 1015-19
<b>WATER ABSORPTION - Category</b>	< 0.2 kg/m <sup>2</sup> *min <sup>0.5</sup>	UNI EN 1015-18
<b>APPLICATION TEMPERATURE</b>	W2 +5°C+30°C	

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**SPECIFICATION  
ITEM**

Powdered adhesive-coat plaster, suitable for the production of lightweight insulating systems "thermal insulation coating" with polystyrene panels with an average consumption of 2.25 kg/m<sup>2</sup> for different spot fixations and 1.05 kg/m<sup>2</sup>/mm for levelling out.

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**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.

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