AEROGIPS *INSTALLATION*

PREPARATION OF THE SUPPORT

The gluing of Aerogips can be done only on walls that are exempt from traces of dust, moisture and grease. In case of very porous surfaces, e.g. visible brickwork, it will be appropriate to wet the surface or to apply a coat of a special treatment with water dispersion resins to prevent the subtraction of water from the glue before the adhesion. Smooth surfaces, e.g. concrete walls or prefabricated manufacts obtained with a metal formwork, must be treated with a special gripping basecoat made of quartz powder. Plastered masonry with hydraulic mortar without a treatment of superficial finishing must be probed on the entire surface to individuate cavities and eventual areas detached from the plaster, which will have to be removed and restored.

The surface will therefore be treated with an insulating or wet basecoat.

Generically covered walls must be stripped of the coating in correspondence of the sticking points to proceed with the gluing directly on the brickwork.

PREPARATION

GLUING OF THE PANELS

To fasten the Aerogips panels, use glues composed of Knauf Perlifix gypsum or similar, or polyurethane low-expansion foams like Fasterfix Dakota, which must be prepared following the personal instruction of use. Always verify, in any case, that the chosen adhesive is suitable for the support on which Aerogips should be installed. Using a notched trowel (teeth of 6-8 mm), create a full installation bed by applying the adhesive on the entire surface of the panel on the side of the insulating material. Indicative amount of gypsum-based adhesive 4/6 kg/m².

APPLICATION OF THE GLUE

APPLICATION OF THE PANELS

Trace on the floor and on the ceiling the finished wire of the external surface and lay on the ground, against the wall to be covered, a possible separative tape to detach the slabs from the floor and the ceiling. Lean the Aerogips slabs against the wall, which will be placed higher in relation to the floor. The slabs must be struck with light strokes of the hand or by means of a metallic ruler of suitable length to obtain the perfect alignment to the floor and the ceiling. Carefully pull the adjacent panels together to prevent the leakage of the adhesive mortar and thus eliminate thermal and/or acoustic bridges. Wait for the grip of the adhesive and then proceed with the application of the mechanic fastening, installing 5 plugs every square meter; proceed with the sealing and grouting of the joints.

APPLICATION OF THE SLABS

GROUTING OF THE PANELS

The grouting of the seams must be done with the use of suitable grout (such as Fugenfüller Leicht by Knauf) and joint-covering tape of micro-perforated paper, which gives an adequate mechanical resistance to grouting by absorbing the tensions exercised on the joints due to micro-movements of the support, shocks and mechanical stress, induced or due to stress of hygrothermal nature. Distribute an even and abundant coat of smoothing grout for the joints along the edge of the panels until reaching the level of the panel surface.

Lay the tape with micro-perforated reinforcement mesh with the rough side facing the panel, centered in the middle of the joint; apply adequate pression with the spatula to remove the excess grout under and to the sides of the tape, carefully avoiding the formation of air bubbles. Before proceeding with the second and third coat, it is advisable to ensure that the previous coat has adhered and is completely dry, so that any withdrawal phenomenon is finished.

After drying, verify that there aren't any imperfections or micro-irregularities along the grouted joint. Apply the second layer of grout, which will extend to a width sufficient to bring the grouted surface on the same level of the hardboard surface.

Wait again for it to be completely dry before proceeding with the sanding if necessary and then the third finishing coat, which will be very thin. Trim the excess protruding from the tape and proceed with the finishing just like a normal wall made of coated plaster slabs. Indicative amount of stucco 0,4/0,5 kg/ m².

FIXING THE DOWELS

GROUTING