

**This material is suitable for heath insulation and for fireplace construction and stoves and hot air heating.**

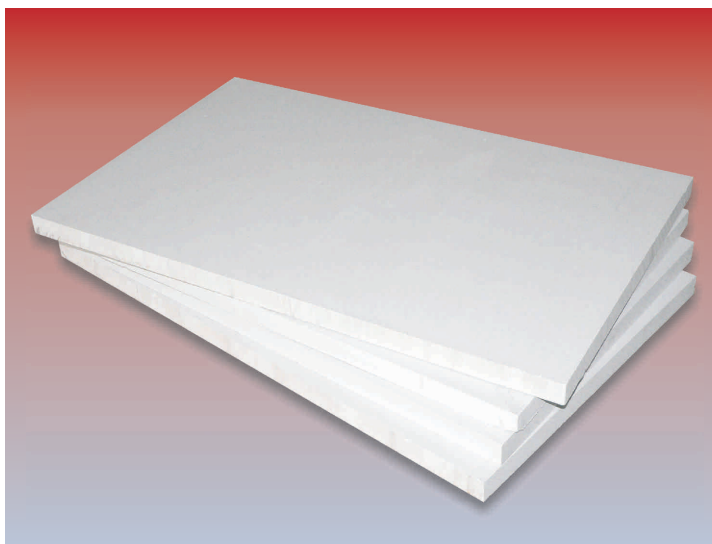
## Preparation of the subbasement :

If new building, wall must be dry without any humidity inside of the walls. Surface which is supposed to be insulated must be smooth, clean and without any surface soil of plaster and of materials which reduce force of adhesion of the boards. The base surface must be smooth, clean, dry, absorptive and able to bear the boards, as straight as possible.

**Without necessary surface preparation, plaster surface is not suitable for joining by adhesive.**

## Mechanical installation of boards :

Heat resistant insulating boards CALSIL 1000 we can saw, drill or cut in many ways as wood material can be. If board is used at the same time for both purposes as insulation layer and also as subbasement, board minimum thickness must be 60MM single-layer, if multiply layer, each can be 30MM thick.



Special binding material for CALSIL 1000 must be used only. Material must be stored on dry place, avoid freeze. Binding material can be used in the temperature only =10degrees at least or more. Before use material must be well stirring, if packed in the plastic tube, it must be manually stir up properly. Right thickness of binding material is pre-set in production. The parts where binding material will be applied must be without any oily spots or oil. Rough dust must be removed. Due to high capillary activity is advised to moisten the parts of insulation boards where binding material will be applied. Better use for example paintbrush.

The amount of water applied is 300-400 g/m<sup>2</sup>. For binding material application spatula with triangular teeth is suitable (4mm high), if binding material is packed in plastic tube, we need to squeeze out thick amount caterpillar shaped. The amount needed is, if the board pressed against the wall, binding material can slightly run through in the interspace of the boards. There is no need of help while installing. Heat resistant insulating boards CALSIL 1000 must be glued-on the whole area, fully filled joint gaps and overlaps of the filled joints needed.



## The installation of CALSil onto the wall needs to follow these instructions:

If the board surface is durable without any peeling layers, heat resistant insulating boards CALSil 1000 can be glued-on point wise. The small spots of the binding material must have minimal diameter of 100mm and must be applied in the raster grid, the maximal distance of the spots 30cm.

Heat resistant insulating boards CALSil 1000 must not be installed onto the walls covered with plasterboard of type B or F accordance with norm DIN 18180. In this case the heat resistant insulating boards CALSil 1000 must be drilled through and fastened with convenient insulating nails or use the similar fasten system. The maximal distance of fasten components should be 30cm.

**Subject to technical alternations.**