

epatherm-installation
upon
wooden under-construction



Preliminary information: This way of proceeding was documented on a construction site under the author's care during Summer 2012. In order to minimize the waste, two layers of epatherm 25 instead of one layer 50mm were installed. Of course it is possible to combine other board thicknesses for optimizing thermal insulation if there is enough space in the room as well.

As wood is "working" during its lifetime, many customers ask if the calcium silicate board system "epatherm" can be installed upon wooden under-constructions.

First of all no fresh felled timber should be used, as it tends to cracks and distortion. The wooden boards should be at least 100mm wide so that the joining epatherm boards have enough space to be fixed together tightly.



Please primer only the top side and the edges; freshly cutted surfaces also have to be reprimed.

As the backside will not be in contact with mortar and can even absorb humidity perfectly, it is unnecessary to primer it.

The boards were fixed with plastic plates and screws made from stainless steel . By all means, please countersink this area with a „Forstner bit“ to avoid that they remain visible on the surface.



* „Forstner bit“

Advice:

If you want to avoid tool changes it is helpful to use different cordless screwdrivers simultaneously!



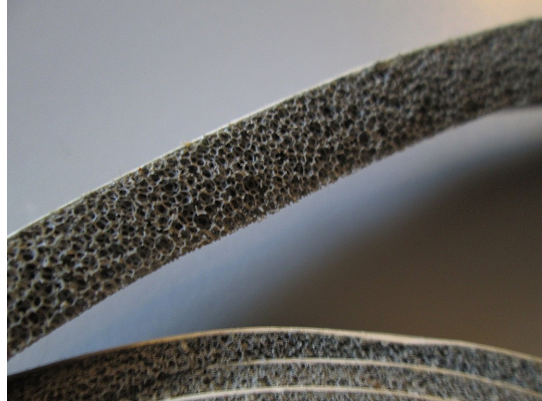
Now the boards are fixed with stainless steel Torx screws.



Advice: Torx screws allow very sensitive power transmission and adjustment of the epatherm boards.



The connection between wall and wall or wall and ceiling is filled with our flexible tape which expands from 2 – 8 mm.



Fibre fabric is fixed upon the first layer; the panels have to overlap by at least 10 cm.



In the next step the second layer of etp 25mm is installed- now conventionally with our board adhesive „etk“. The fibre fabric is embedded perfectly in the glue- a very solid and effective sandwich construction.



As long as the glue dries, the board pieces are fixed with stainless steel screws.



This leads to a huge reduction of waste.

Integration of the roof window



Protection of the edges



Finally the filler „multi-eti“ was applied and painted with „etf“.



The result: A bright and perfectly insulated bathroom with an excellent room climate - and nice decoration now!



before

