

Report from the Construction site



Kind of insulation: Inside floor renovation with vacuum insulation

Construction: BaumitBayosan GmbH & Co. KG (Bad Hindelang) and Prill & Schurr Architects

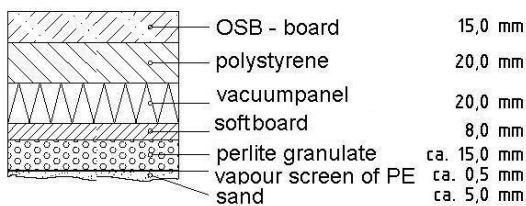
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VIP-product: WACKER CERAMICS, Kempten

Location: Allgäu Energy and Environment Centre (eza! house), Kempten

Date of realization: 2001

Funding: Bavarian State Ministry of Economics, Infrastructure, Transport and Technology



Description of the construction:

The cellar was to be used as a classroom subsequent to renovation. The space available for insulation was limited. To achieve acceptable floor insulation values, the flooring inside was realized with a sandwich design. The 2 cm thick VIPs were laid between softboard and polystyrene and a layer of OSB was installed on top. This floor set-up achieves a U-value of 0.17 W/(m²K).



Figure 1: View of the eza! house. Photograph: may.schurr.architekten, Bad Wörishofen

Figure 2: Cross-section of the floor set-up.

Figure 3: Photo taken during renovation. The OSBs can be seen in the foreground, the VIPs in the centre and the softboard in the background. Photograph: may.schurr.architekten, Bad Wörishofen