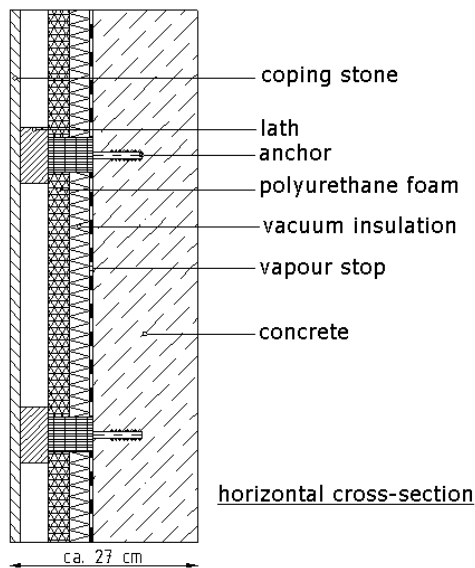


Report from the Construction site



Kind of insulation: Facade insulation

Construction: Albert Hangleiter GmbH & Co. KG,
Ravensburg, Germany

Contact: Dipl.-Ing (TU) M. Hangleiter,
Phone: ++49 751 36160-0

VIP-product: WACKER CERAMICS, Kempten

Location: Ravensburg, Germany

Date of realization: Mai 2004

Funding: German Federal Ministry for Economy
and Labour, Funding Ref.: 0327321 C

Description of the construction:

In this project, VIPs are laid onto fresh cement and held in place with a few anchors to produce prefabricated concrete elements. Due to the special design of the elements, VIPs can be replaced at any time, if necessary. The elements provide a very slim construction with few thermal bridges (U-value 0.15 W/m²K) and due to the fact that they are prefabricated, installation is facilitated and a high degree of quality assured.

Figure 1: Plan of the house with prefabricated concrete elements. The horizontal and vertical framework necessary for mounting the VIPs is easily recognizable.

Figure 2: Intended design for the prefabricated wall elements. An average U-value of 0.15 W/m²K is achieved with a total thickness of only 27 cm.

Figure 3: Photo of a prefabricated wall element.