

Report from the Construction site



Kind of insulation: Facade insulation with polystyrene-lined vacuum insulation panels

Construction: System: Sto AG, Germany

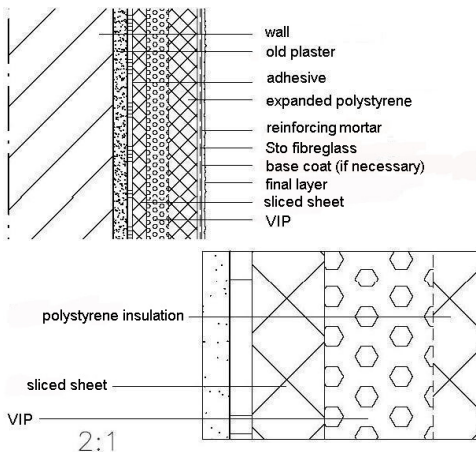
Contact: Sto AG, Markus Zwerger
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VIP-product: va-Q-tec AG, Wuerzburg

Location: House exhibition, Petrisberg, Trier

Date of realization: 2004

Funding: Bundesministerium für Wirtschaft und Arbeit 0327321 J



Description of the construction:

Twelve terraced houses designed with innovative technology have been built for a house exhibition within the framework of the Trier Garden Show 2004. The passive houses designed by the architects Lamberty, Schmitz & Hoffmann utilize polystyrene-lined VIPs from Sto AG. These 20mm thick VIPs are lined at the front and back with polystyrene. The panels fit flush and therefore create only a minimum of thermal bridges.



Figure 1: View of the passive house with lined VIPs. The black facade has conventional, 30 cm thick insulation to demonstrate the difference in thickness compared to the red facade insulated with VIPs.

Figure 2: Cross-section of the wall.

Figure 3: Lined VIPs being mounted onto the facade.