

Trespa Design



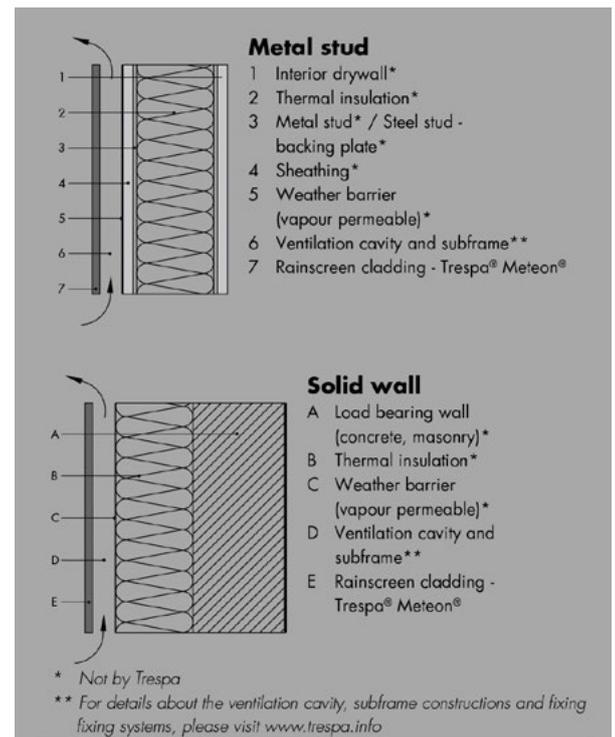
Ventilated Façade Cladding Solutions

The structure of a building with an exterior insulation layer can be simply protected from weather influences by façade cladding.

A ventilated cavity between the façade cladding and the insulation layer prevents rainwater from penetrating and diffuses water vapour from inside to outside. The presence of ventilation prevents condensation from accumulating behind the panels. The sub-frame is not affected and the insulation material is prevented from getting wet.

Good ventilation depends on appropriate openings in the upper and lower edges of the façade cladding. These conditions are also necessary at window and door openings.

Joint profiles have primarily an aesthetic function but are also designed to limit the amount of moisture penetration. Such profiles are not essential to guarantee the water tightness of the façade. Any moisture that enters the void is discharged through the ventilated cavity.



Advantages

A ventilated façade has the following physical and structural advantages:

- No moisture problems in the façade structure as a result of internal pressure equalization.
- Movement on the main load-bearing structure is kept to a minimum by low temperature fluctuations.
- Local cold bridges are kept to a minimum because the load-bearing structure is insulated on the outside.