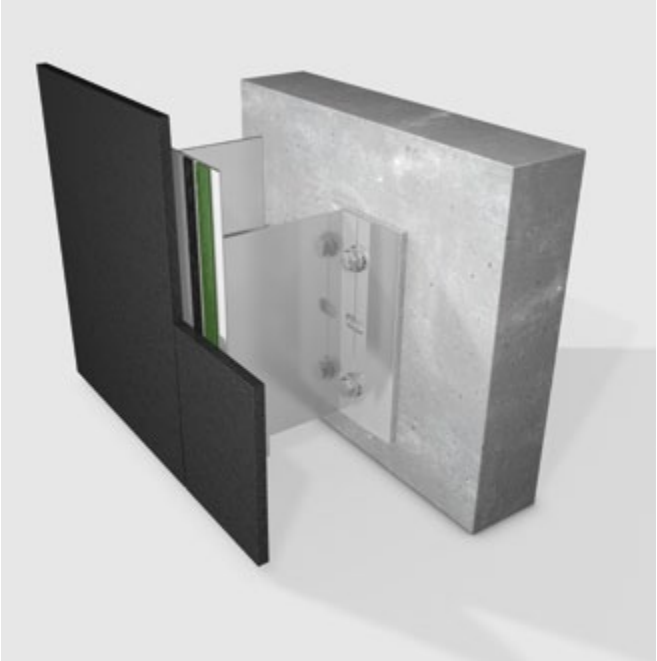
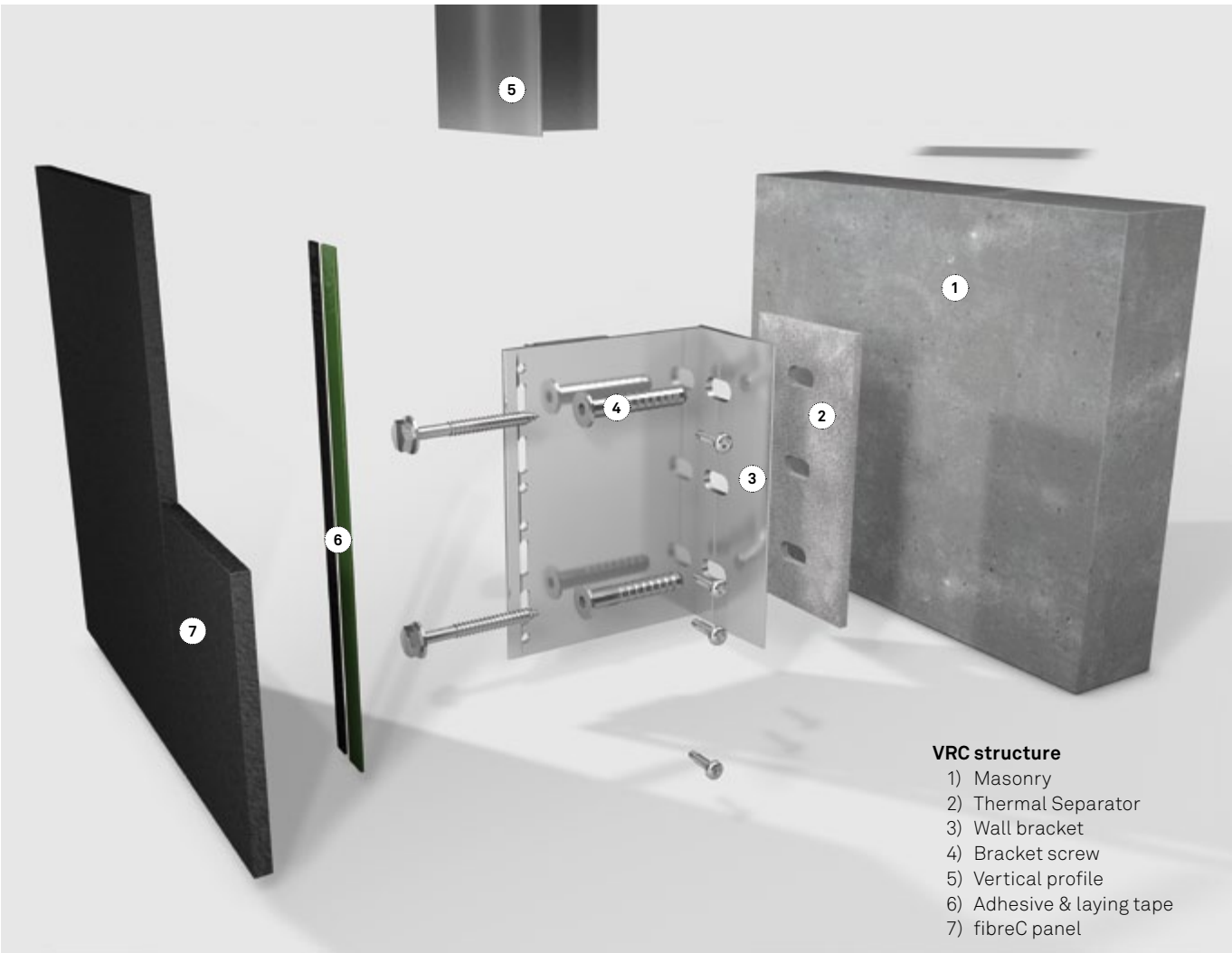
Invisible Fastening with Adhesive

The panels can be fastened invisibly on a metal substructure using adhesive. The quality of the adhesive connection depends on the external conditions. Moist, cold or dusty surroundings can have a negative effect on the adhesion. All the recommendations from the adhesive manufacturer must be followed to ensure the best adhesion.



Adhesive fastening

Download



VRC structure

1) Masonry
2) Thermal Separator
3) Wall bracket
4) Bracket screw
5) Vertical profile
6) Adhesive & laying tape
7) fibreC panel

Planning Details

Substructure
Exclusively metal substructure.

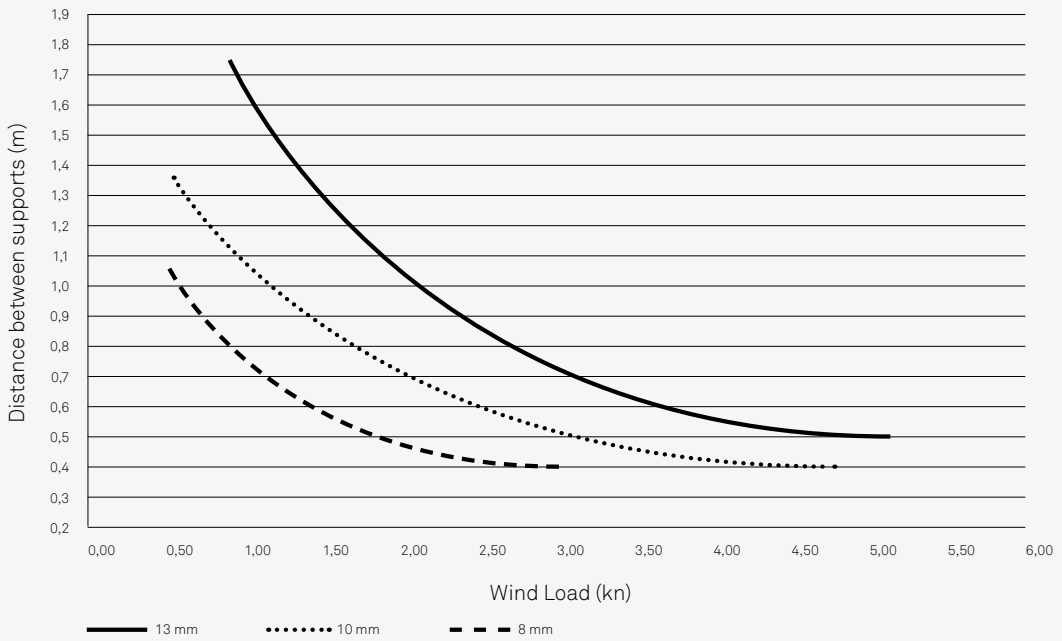
Fastening
The 'Sika Tack Panel' system manufactured by Sika with the licence Z-10.8-408 or equivalent must be used as an adhesive bonding mount. As a general rule, the manufacturer's processing guidelines must be observed. Only certified firms may perform adhesive work on the Sika Tack Panel system.

The weather-related principles must be complied with during the works:
- Processing temperature: 5°C – 35°C
- Maximum air humidity 75%
- The temperature of the subconstruction must be at least 3°C above the dew point temperature.

Preparations / processing
- The bonding must be vertical.
- The subconstruction and the reverse of the plate must be ground.
- The subconstruction must be cleaned with a special cleaner (205) appertaining to the system. Drawing-out time 10 minutes
- The reverse of the plate must be dusted and must not be cleaned with the cleaner (205) in any circumstances.
- The subconstruction and the reverse of the panel must be primed. Drawing-out time 30 minutes
- Caution – the panels may not be stored vertically during the drawing-out time.
- After the preliminary work, bonding can be performed in accordance with the processing guidelines of the adhesive manufacturer.

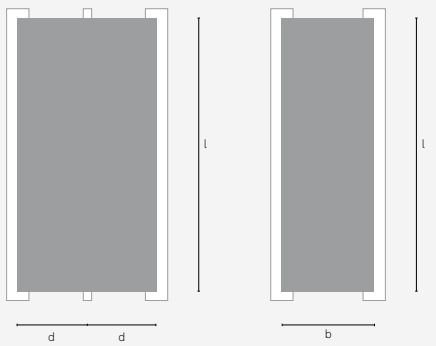
Joint
Joint width at least 8 mm.

Mount and edge distances

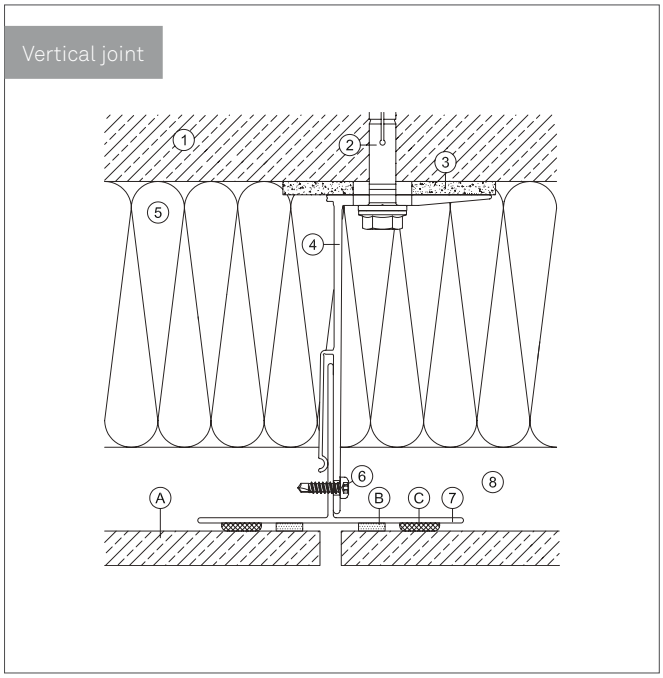


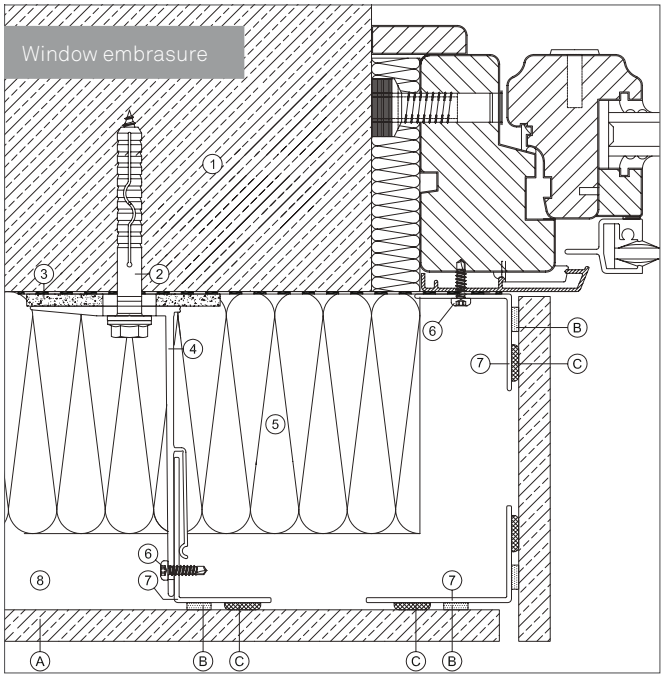
The maximum installation height is 22 m. In principle, the relevant country guidelines must be observed.

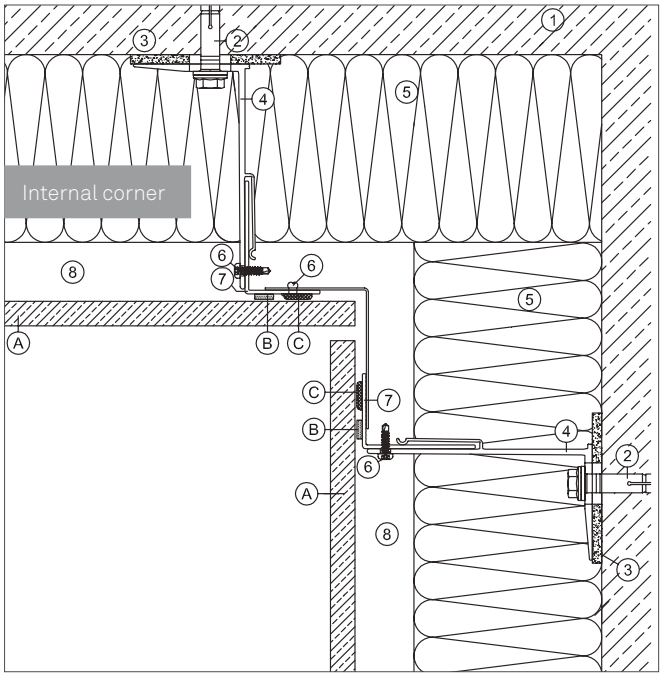
Multiple field plate **Single field plate**

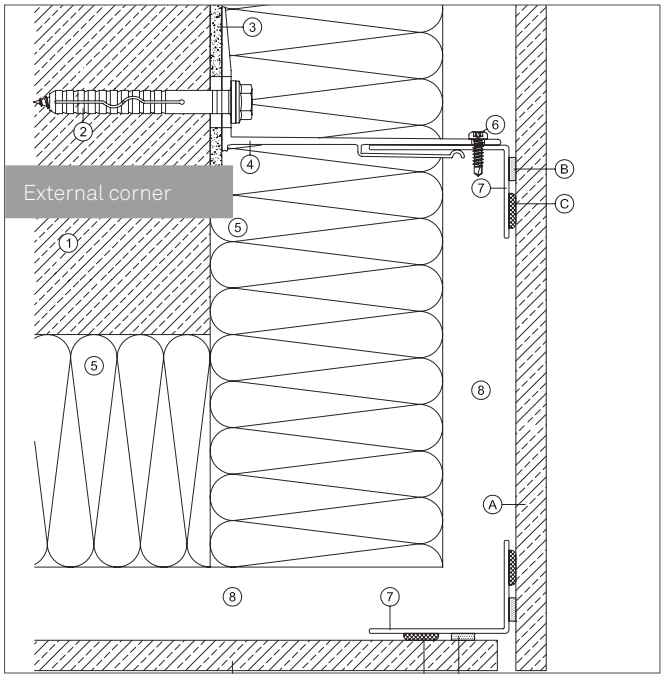


Mount and edge distances
d horizontal mount distance
b Maximum plate breadth 1200 mm
l Maximum plate length 3600 mm









Legend

A) fibreC cladding panel
B) Laying tape
C) Cladding adhesive

1) Masonry
2) Fastening Dowel
3) Thermal Separator
4) Wall bracket
5) Insulation
6) Fastening srew
7) Vertical profile
8) Ventilation space

Note
All the visualisations in the brochure are schematic representations of the system and structural-physical requirements and project details are not included in the data.