

BASIC RULES FOR INSTALLING EXTERNAL VENTILATED CLADDING ON STEEL USING SCREWS

- ① Board: Minerit
- ② Dimension of steel Hot-spacer: minimum 1.2x20/100/20 mm*
- ④ EPDM/TPE-rubber on steel spacer, Minerit board: 60x1 mm
- ⑤ Spacer joint (air gap) between two boards – inst. on steel spacer: 8-12 mm
- ⑥ Spacer joint (air gap) between two steel spacers – min. 10 mm
- ⑧ Dimension of steel Z-spacer: min. 1.2x40/20/30 mm*
- ⑩ EPDM/TPE-rubber on spacer, Minerit board: 36x1 mm
- ⑪ Screw fixing distance from side parallel to the steel spacer: 30 mm
- ⑫ Screw fixing distance from side perpendicular to the steel spacer: 70mm
- ⑬ Spacer vertical support c–c distance, board up to 6 mm: maximum 425 mm*
- Spacer horizontal support c–c distance, (e.g. soffit), board up to 6 mm: max. 325 mm*
- Spacer vertical support c–c distance, board over 6 mm: maximum 625 mm*
- Spacer horizontal support c–c distance, board over 6 mm: max 425 mm*
- ⑭ Vertical fixing distance (building up to 8 floors): max. 400 mm*
- Horizontal fixing distance (building up to 8 floors): max. 300 mm*
- Vertical fixing distance (building over 8 floors): max. 300 mm*
- Horizontal fixing distance (building over 8 floors): max. 300 mm*
- ⑰ Predrilled hole using self-drilling screw for steel spacer: screw \varnothing + 3 mm
- ⑱ Predrilled hole for fixed screw for steel spacer: screw \varnothing + 0.3 mm
- ⑳ Screw type, Minerit board: Façade screw, stainless steel, T-20, 4.2x32 mm*

* To be sure that the laws and regulations of each state, region or project are followed, it is necessary to make specific static calculation.

Note 1: It is very important to remove dust from drilling and cutting immediately to avoid the dust from “burning” permanently to the board.

Note 2: The screws are to be tightened with about 4 Nm, (but try the tightened before setting the Nm, otherwise the board is destroyed.)



Basic Rules for Installing External Ventilated Cladding on Steel Using Screws

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Drawing no.:

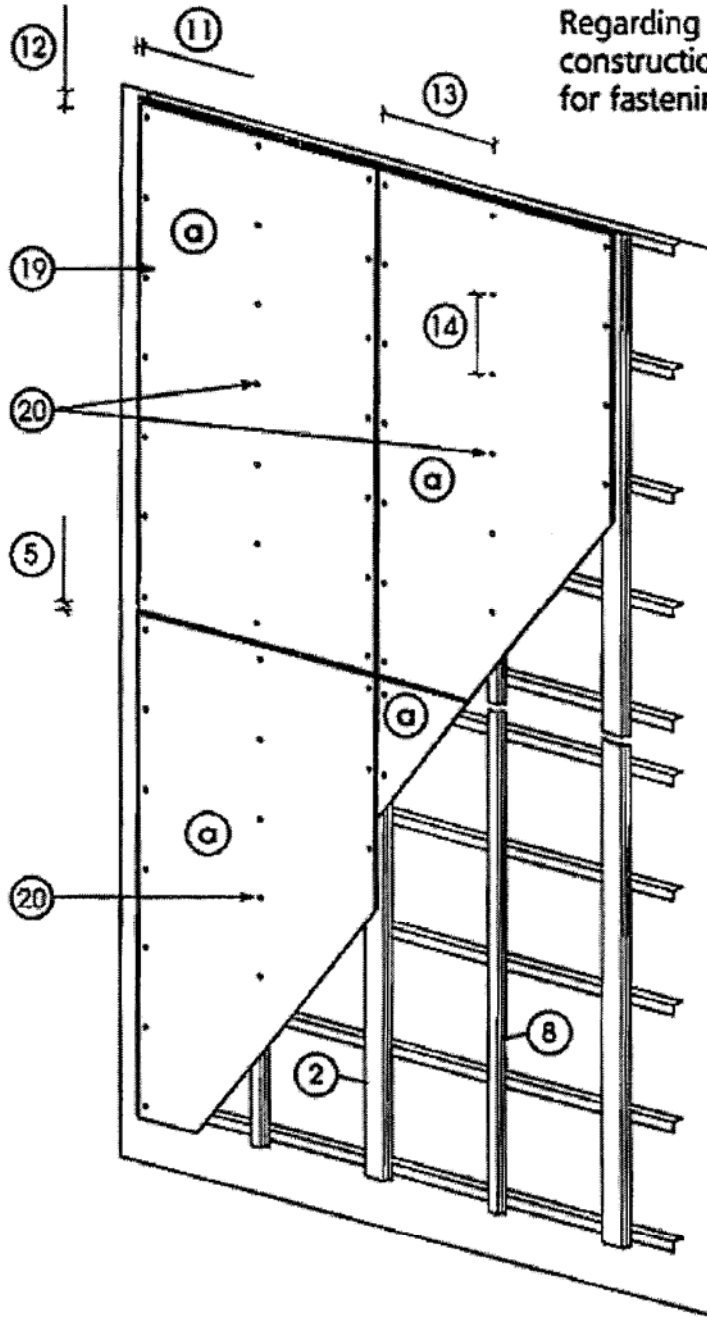
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Regarding basic rules for fastening to the secondary sub construction, please see drawing: Fastening – Basic rules for fastening external ventilated cladding, 02.20.04



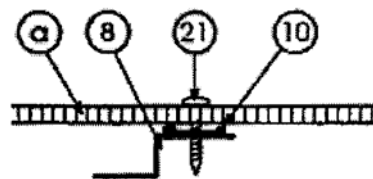
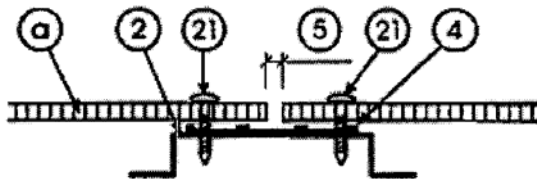
Spacer/steel quality:
Min. S250GD (250 N/mm²)

Spacer/steel coating:
Min. Zinc 275 g/m²

A vertical spacer may never be fixed to two boards in the vertical direction. The vertical spacer must always be cut and an air gap established at the horizontal board joint. The reason is the opposite movement of steel and fiber-cement. When steel is heated, it expands.

There must be a min. 10 mm running air gap at each floor (maximum 3.05 m) in order to ventilate the boards/construction.

(20) The screw(s) in the center of the board is to be fixed, therefore you HERE pre-drill the board: screw $\varnothing + 0.3$ mm. If you have an equal number of spacers, you need to fix the two (2) spacers in the middle. The screw(s) in the center has to be installed first – before the rest of the screws.



Basic Rules for Installing External Ventilating Cladding on Steel Using Screws

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