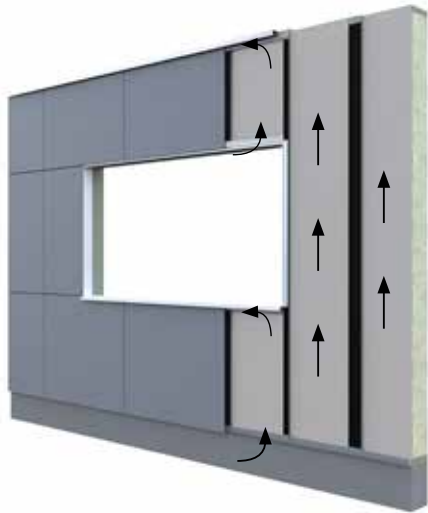
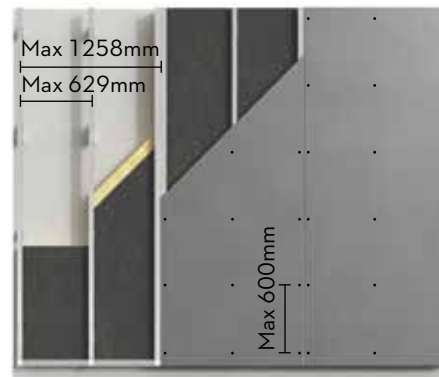


The self-ventilating facade



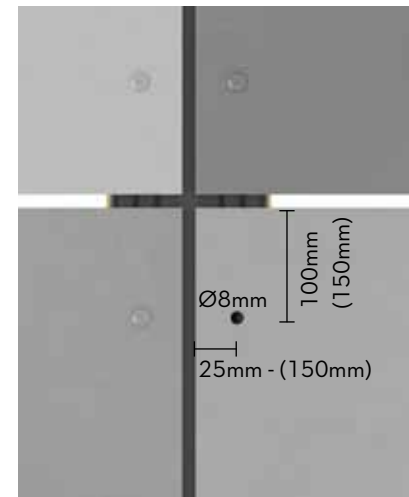
Air is pulled into the construction through an opening at the base of the facade. Unobstructed ventilation must be ensured throughout the facade's height. The ventilated area behind the boards must be at least 20mm. There must be a min. ventilation gap of 10mm or 100cm² per meter at openings.

Screw and batten distances



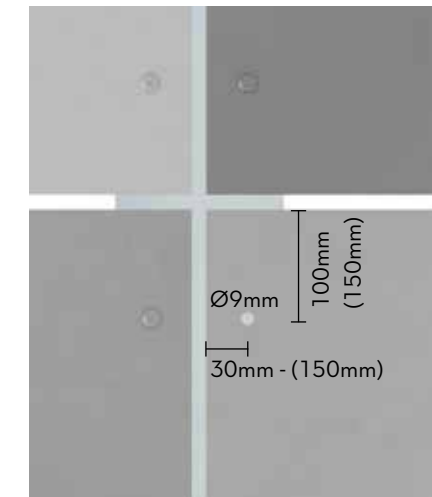
Max. support distance: 629mm o.c.
 Max. screw/revet distance: 600mm o.c.
 Max. wind load: please find the wind load table in the global Cembrit Facade installation manual found on cembrit.com.

Distances on wood

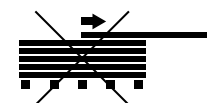
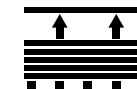
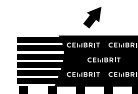
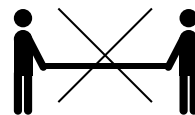
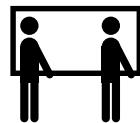


Fixing distances from the top of the board should be min. 100mm and max. 150mm. Fixing distances from the side of the board should be min. 25mm and max. 150mm.

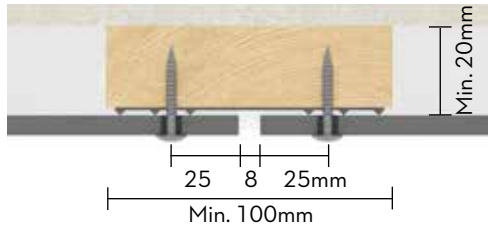
Distances on steel/aluminium



Fixing distances from the top of the board should be min. 100mm and max. 150mm. Fixing distances from the side of the board should be min. 30mm and max. 150mm.



Wood structure



Batten width should be min. 100mm for supporting battens and 45mm for central battens. When using timber battens, always use Cembrit EPDM with profiled ribs.

Screw: pre-drilling with $\varnothing 8\text{mm}$



When installing a Cembrit Facade Screw with washer, make sure the washer is placed at the bottom of the screw. This way the washer helps to center the screw in the middle of the hole.



When using fixing points for wood the hole diameter should be $\varnothing 5\text{ mm}$.



Cembrit Facade Screw
4.5x36mm with washer



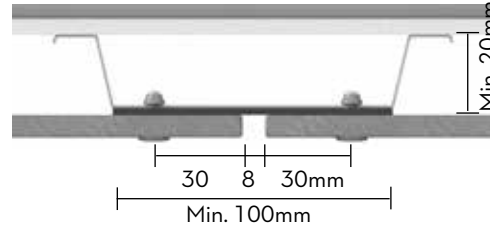
Cembrit Facade Wing Screw
4.9x38mm with washer



Cembrit EPDM 3x50/100mm



Steel profiles



Cembrit recommends that the steel has a min. thickness of 0.7mm. The max. length of the steel profile is 3000mm. The profiles behind joints should have a min width of 100mm, and the middle profiles should have a min. width of 40mm. Always use flat EPTL/EPDM on steel profiles.

Screw: pre-drilling with $\varnothing 8\text{mm}$

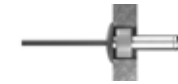


Rivet: pre-drilling in facade board with $\varnothing 9\text{mm}$ and in steel with $\varnothing 4.8\text{mm}$

When installing a Cembrit Facade Screw with washer, make sure the washer is placed at the bottom of the screw. This way the washer helps to center the screw in the middle of the hole.



Rivet - Fixing point hole diameter $\varnothing 9\text{mm}$. Insert a Cembrit Fixing Sleeve in the hole before the rivet is fixed.



Screw - Fixing point hole diameter $\varnothing 5\text{ mm}$.



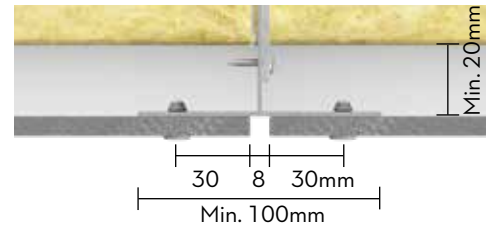
Cembrit Facade Screw Steel
4.8x29mm A2 with washer



Cembrit Rivet Steel
4.8x20mm



Aluminium profiles



Cembrit recommends that the aluminium is of minimum 1.8mm thickness. Maximum steel profile length is 3000mm. T profiles behind joints should be min 100mm width, and the L profiles should be min 40mm width.

Rivet: pre-drilling in facade board with $\varnothing 9\text{mm}$ and in aluminium with $\varnothing 4.1\text{mm}$



Rivet - Fixing point hole diameter $\varnothing 9\text{mm}$. Insert a Cembrit Fixing Sleeve in the hole before the rivet is fixed.



Cembrit Rivet Steel
4.0x20mm



The Stand-Off Head must be used for all rivets. This provides a small space between the board and the rivet head to allow for movement caused by moisture or temperature changes.



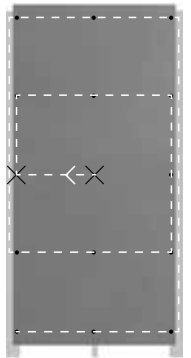
For more information go to www.cembrit.com

CEMBRIT

All

Facade boards must be installed using two fixing points*. These should be as close to the board center as possible and must be aligned horizontally.

*Optional for wood



Once boards are cut, you can bevel the cut edge with a fine grinder (80 grain) to give the edge a pre-cut finish. The bevel should be angled at 45° relative to the board. This retains edge strength and removes small irregularities.



All cut edges must be sealed with Cembrit Edge Sealer to ensure protection of the cut edges. Use an applicator with a sponge or a brush. Avoid getting paint liquid on the front-side of the board. If this does occur, remove any liquid with a lint-free cloth immediately.



Dust from cutting or drilling must be removed with a brush immediately after the work has been completed, otherwise it can mark the surface of the boards.



As with all building materials, safety precautions must be taken into account and local laws and regulations must be observed.

