

CEMBTRIT

Cembrit Facade Hidden fixing solution on Aluminium

Cembrit Patina design line and Cembrit Colourful design line

Installation

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Cembrit

Cembrit

Cembrit is one of the leading European manufacturers of multi-capability fibre cement building products. Our products and solutions add exciting new design opportunities for moulding attractive, durable settings for people's lives. But Cembrit is more than mere products. We also help make all kinds of design and construction projects easier as well as more profitable, inspiring and effective. And for us, all construction also involves building relations with people, making your day better, and helping you make the day better for others.

Product Information

Cembrit fibre cement is a modern building material made from natural and environmentally friendly raw materials. The technology has been developed by Cembrit, having more than 90 years of experience within the manufacture of fibre cement. Our wide experience ensures a sustainable product which has accumulated all the advantages of fibre cement. The facade range can be used in all self-ventilated light weight facade constructions. Featuring properties such as non-combustibility, sound and weather insulation as well as high impact strength, Cembrit fibre cement boards are the ideal facade material.

Quality

Cembrit product specifications and classifications comply with EN 12467:2012 and 13501-1:2007+ A1:2009

The facade range

- is manufactured in accordance with the quality management system ISO 9001:2015
- complies with the provisions set out in the Construction Products Regulation (EU) No. 305/2011

Colour resistance on painted surfaces

(Cembrit Cover, Cembrit Solid and Cembrit Transparent)

The colour and gloss of the facade boards is little affected by the weather, and the boards will retain the colour and glossiness for a long time.

Selected colours of Cembrit Cover and Cembrit Solid have been tested according to European standard Xenon Arc Light, EN ISO 16474-2, 5000 hours. The conclusion was "Minor Change in colour depth. Hardly visible."

Warranty

Warranty conditions are available on request from your local Cembrit office.

Note

The following limitations exist for the Cembrit Patina design line

Do not use in the following facade constructions: Sloped facade with deviation over 5 degrees from vertical, curved facade or non ventilated facades.

The following limitations exist for the Cembrit Colorful design line

Do not use in the following facade constructions: Sloped facade with deviation over 10 degrees from vertical, curved facade with a radius of less than 20 meters or non ventilated facades.

Disclaimer

The information contained in this publication and otherwise supplied to users of Cembrit products is based on Cembrit's general experience, best knowledge and belief. However, due to factors which fall beyond Cembrit's knowledge and control, which can affect the use of the products, no warranty is given, express or implied with respect to fitness for particular purpose or otherwise.

Cembrit's policy is one of continuous improvement. Cembrit therefore reserves the right to alter specifications at any time and without notice. Colours and textures may vary according to light and weather conditions. Owing to this and limitations of the printing process, colours in this brochure may vary.

Please, ensure that you have the latest version of this publication by checking that the publication date corresponds with the downloadable version from our website. In case of doubt, please contact your local Cembrit representative.



The self-ventilating facade

A self-ventilating facade is a construction which helps minimise temperature variations in the wall throughout the year. Sunlight and heat are reflected away in the summertime, and insulation behind the facade boards reduces heat loss in lower temperatures.

At the same time, the natural ventilation passing through the construction minimises condensation.

The self-ventilating facade has additional features and benefits.

The most important benefit is the protection of the underlying construction against weather, wind and moisture. Some moisture passes through the facade, but it is limited to a level that can either be drained away or eliminated by natural ventilation.

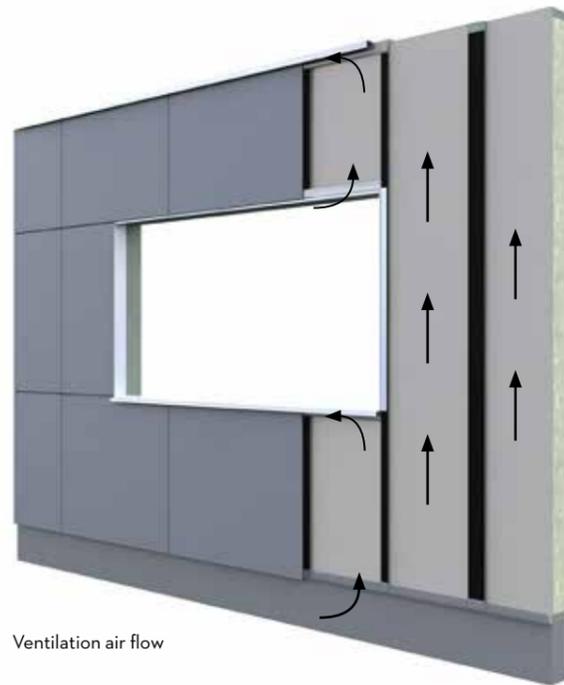
The drainage feature of the system works when rainwater or moisture penetrates through the gaps in the facade. The moisture runs down either the reverse of the facade boards, the windstopper, or the insulation. There should be ventilation openings at the base of the structure and above doors and windows. These openings will also help drain the water away from the construction.

The natural ventilation works by means of a chimney effect. The air enters at the bottom of the structure and on its way up through the facade takes moisture-laden air through the ventilation openings at the top of the structure or at window or door openings.

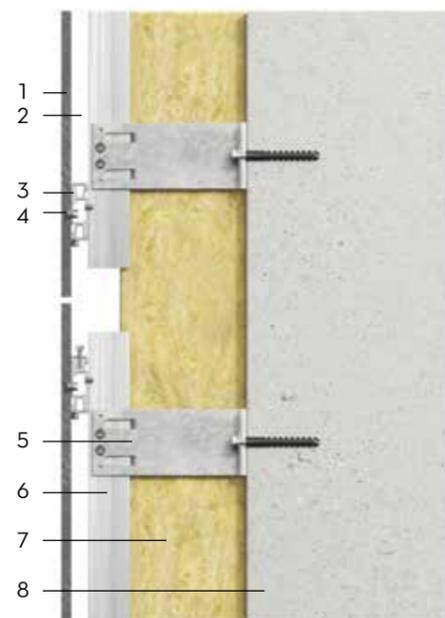
The boards can be installed with open horizontal joints or with joint profiles. Horizontal joints between boards contribute minimally to natural ventilation and therefore profiles can be used in these joints, if required.

Cembrit Facade boards installed with a hidden fixing system on aluminium

1. Cembrit facade Panel
2. Ventilated area minimum 20mm
3. Horizontal aluminum rail and bracket
4. Anchor
5. Bracket /insulator
6. Aluminum profile
7. Insulation
8. Structure

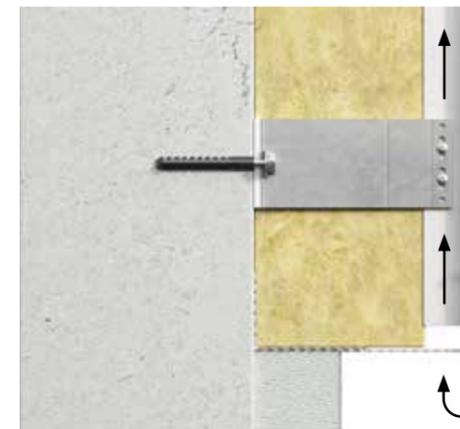


Ventilation air flow



The self-ventilating facade

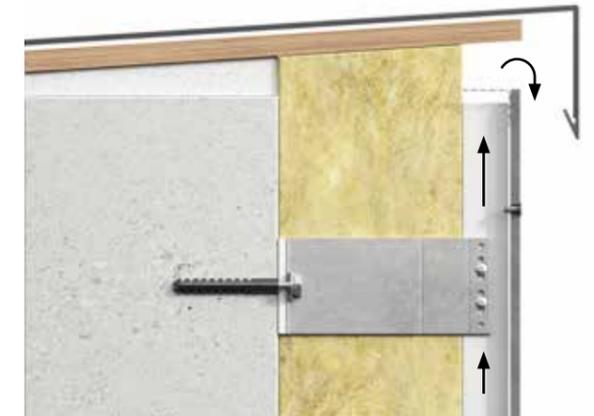
Ventilated Openings



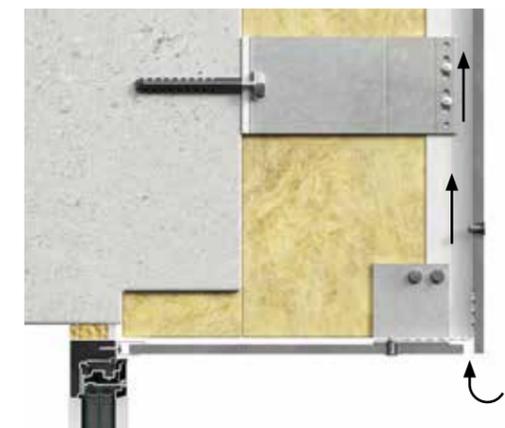
Air is pulled into the construction through an opening at the base of the facade, and it must be ensured that unobstructed ventilation is possible throughout the facade's height. There should be a ventilation gap of minimum 10mm, or equivalent 100cm² per meter. If perforated profiles are used, a ventilation area opening of minimum 100cm² per meter is required. The opening at the base is also used to drain moisture that has entered the facade.



A horizontal ventilation opening of minimum 10mm or equivalent to 100cm² per meter should be maintained beneath windows or other openings where a sill is used. This ventilation gap is usually formed between the top edge of the facade boards and the bottom edge of the sill. It is recommended that the sill projects a minimum of 30mm beyond the front of the facade. This ensures that the water running from the sill does not enter the structure.



The passage of air must be maintained at the top of the facade whether it abuts to a roof or other structure. Just as at the base, there must be a ventilation gap of a minimum of 10mm or 100cm² per meter.



A horizontal free ventilation opening must be maintained above windows and doors as well. This ventilation gap must be at least 10mm wide. If steel, aluminium or plastic perforated profiles are used, a ventilation area opening of minimum 100cm² per meter is required. The opening at the base is also used to drain moisture that has entered the facade.

Product Range

The Cembrit Patina design line

Cembrit Patina Original



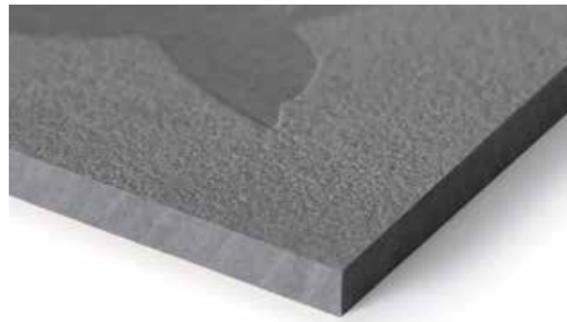
Cembrit Patina Rough



Cembrit Patina Inline

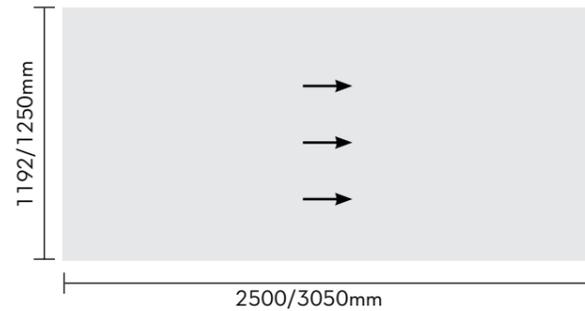


Cembrit Patina Signature



Directional grain

Cembrit Patina's manufacturing process gives the boards a unique surface texture. This unique finish is enhanced by a process which adds a directional grain to the board - leaving the boards with a different appearance dependent on lighting and the angle of the board. By rotating boards within the facade makes it possible to obtain a playful visual effect - depending on the viewer's position and the lighting conditions.



Quick facts	Type	Fire class	Thickness	Dimensions	Weight/m ²
Cembrit Patina Original Cembrit Patina Rough	Through coloured	A2,s1-d0	8mm	1192x2500mm 1192x3050mm 1250x2500mm 1250x3050mm	12.1kg/m ²
Cembrit Patina Inline	Through coloured	A2,s1-d0	9.5mm	1192x2500mm 1192x3050mm 1250x2500mm 1250x3050mm	14.1 kg/m ²

Product Range

The Cembrit Colourful design line

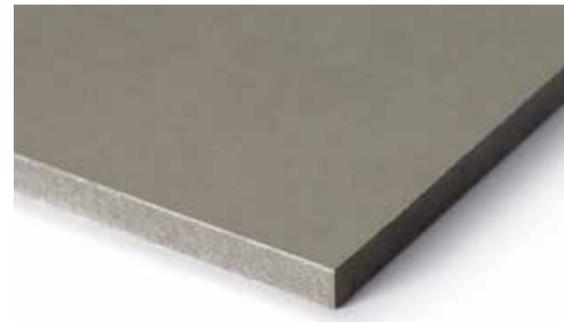
Cembrit Cover



Cembrit Solid



Cembrit Transparent



Quick facts	Type	Fire class	Thickness	Dimensions	Weight/m ²
Cembrit Cover	Non-Through coloured	A2,s1-d0	8mm	1192x2500mm 1192x3050mm 1250x2500mm 1250x3050mm	14.2kg/m ²
Cembrit Solid	Through coloured	A2,s1-d0	8mm	1192x2500mm 1192x3050mm 1250x2500mm 1250x3050mm	14.2kg/m ²
Cembrit Transparent	Through coloured	A2,s1-d0	8mm	1192x2500mm 1192x3050mm 1250x2500mm 1250x3050mm	14.2kg/m ²

Installation

Aluminium substructure

Cembrit facade boards can be mounted on many different types of support systems.

This manual deals with the installation of Cembrit facade boards on an aluminium system.

The hidden fixing system is installed on the backside of the Cembrit Facade panel and makes it possible to hang the boards on horizontal rails. These rails are installed on vertical aluminium profiles. These rails are typical T or L profiles. These profiles are mounted on the load-bearing wall using brackets. Insulation is mounted between the profiles on the load-bearing wall. This is the system shown in this installation manual.

Cembrit do not recommend specific systems as there are many suitable suppliers and types of systems on the markets. The system specified should always be selected to suit the type of project as well as being suitable for supporting fibre cement. Contact the Cembrit office in your area for advice on which types that are available in you local market.

Fixing the support system

Securing the support system to the load-bearing wall must comply with all local standards and regulations as well as follow the manufacturer's recommendations.

Before installing on a load-bearing wall, the installer should check to ensure that wall is flat and true and that the support system can be mounted safely. Choose the correct fixing system for the load-bearing wall type and material.

The support system and fixings should have the appropriate levels of corrosion resistance for the local environment. Wind load calculations for the facade structure should also be considered and carried out. These calculations will normally be done by a project/construction engineer.



The numbers of brackets, the fixing method, depth and frequency to the load-bearing wall, and the thickness of the aluminium for the support system should be calculated by the manufacturer or by a specialist engineer.

Support system aluminium performance

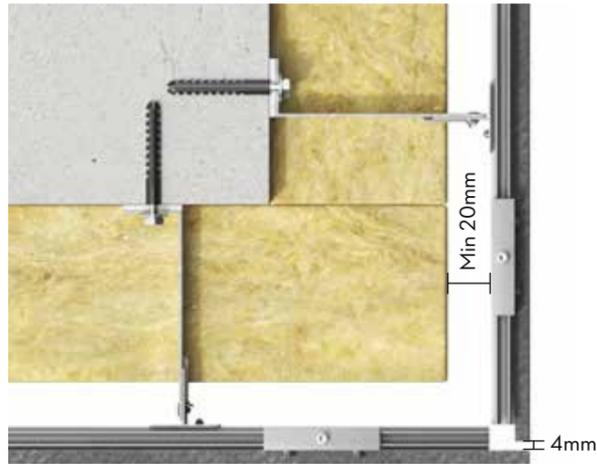
Ensure that the performance of the support system used complies with country specific standards and regulations.

When installing on aluminium systems. Cembrit recommends that the aluminium is of minimum 1.8mm thickness.

Maximum aluminium profile length is 3000mm.

Installation

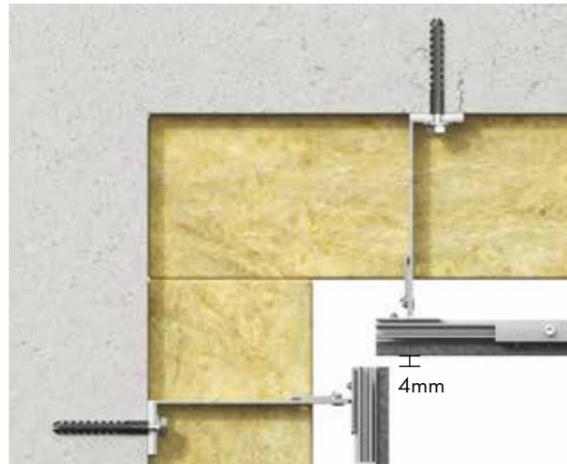
Details



View: External corner with open joint

It is possible to create an external corner detail without a Cembrit corner profile.

There should be a min. 4mm gap between the facade boards forming the corner joint.



View: Internal corner with open joint

There should be a min. 4mm gap between the facade boards forming the corner joint.



Plinth construction

Use a ventilation grill at the base of the cladding to ensure that insects and vermin cannot enter the construction behind the facade boards.

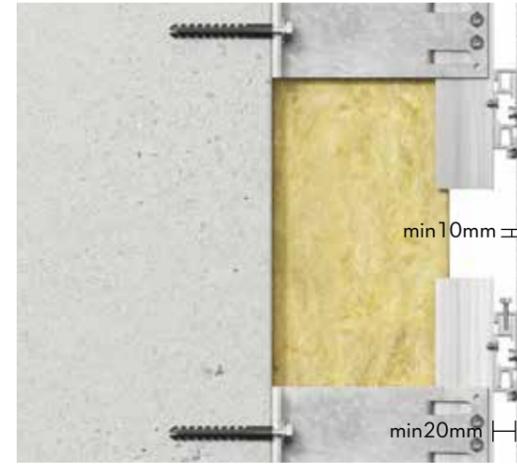


Parapet Detail

Make sure that air can move freely from throughout the construction. There should be a minimum free open area to provide adequate ventilation throughout the system. There should be a minimum gap of 30mm between the front face of the facade board and the drip edge of the capping.

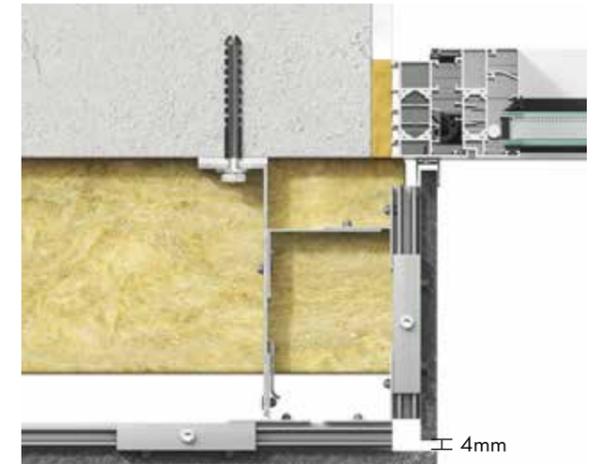
Installation

Details



Typical Detail

There must be a minimum of 20mm behind the facade panel to aid with air movement and drainage. Also a minimum of 10mm between the facade panels to allow for sufficient expansion of the panels. Panels must not span 2 vertical rails.



Window jambs

Cembrit facade boards can be used for window jambs and returns. There should be a min. 4mm gap between the facade boards and the window jambs.



Window head

As with jambs, the window head can be formed using Cembrit boards. At the front edge of the head detail, ensure a minimum free opening area of 10mm, or equivalent 100cm² per meter to ensure adequate ventilation behind the facade. Use a Cembrit Ventilated Profile to ensure that insects and vermin cannot enter the construction behind the facade board.



Window Sill

Cembrit facade boards should not be used as sills. We recommend the use of formed aluminum or steel profiles. It is recommended that the sill projects a minimum of 30mm beyond the face of the facade. There should be a minimum free open area of 10mm, or equivalent 100cm² per meter between the top facade board and the sill to ensure adequate ventilation behind the facade.

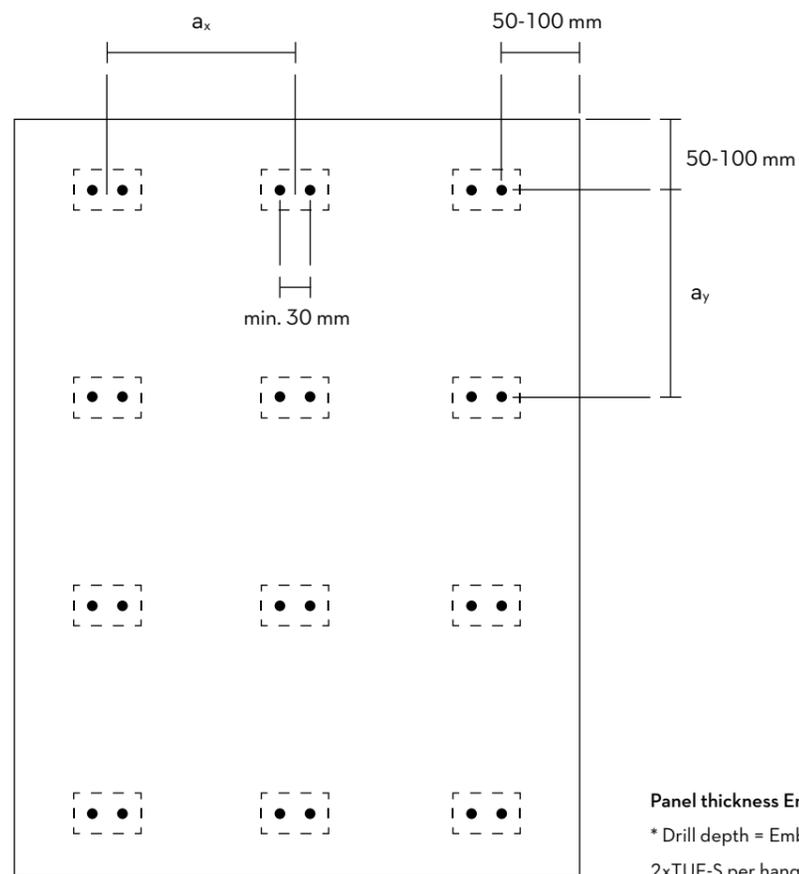
Installation

SFS TUF-S

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.

Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.

Drill depth: 5.5mm
2× TUF-S per hanger



Panel thickness Embedment TUF-S:
* Drill depth = Embedment + 0.5 mm
2xTUF-S per hanger

Installation

Windload SFS TUF-S

1. Determine the wind-load in kN/m² in accordance with the prevailing regional regulation.
2. Select the closest wind-load in the table below. The selected value must not be lower than the actual wind-load.
3. Select the pattern as well in horizontal as in vertical direction.
4. Pattern direction can be changed in x- and y-direction.
5. Place the selected pattern on the panel in compliance with the valid edge.
6. It is allowed to reduce the spacing in order to place the pattern on the panel.

Cembrit Cover and Cembrit Solid Windload (kN/m²)

		Maximum spacing horizontal direction a _x (mm)						
		300	350	400	450	500	550	600
Maximum spacing vertical direction y _x (mm)	300	3.94	3.38	2.95	2.63	2.63	2.15	1.97
	350		2.89	2.53	2.25	2.03	1.84	1.69
	400			2.22	1.97	1.77	1.61	1.48
	450				1.75	1.58	1.43	1.31
	500					1.42	1.29	1.18
	550						1.17	1.07
	600							0.98

Cembrit Patina Original Windload (kN/m²)

		Maximum spacing horizontal direction a _x (mm)						
		300	350	400	450	500	550	600
Maximum spacing vertical direction y _x (mm)	300	4.55	3.90	3.41	3.03	2.73	2.48	2.27
	350		3.34	2.92	2.60	2.34	2.13	1.95
	400			2.56	2.27	2.05	1.86	1.70
	450				2.02	1.82	1.65	1.52
	500					1.64	1.49	1.36
	550						1.35	1.24
	600							1.14

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $\gamma_Q = 1.5$ has been taken into account.

All calculations, measurements, fasteners and design methods have to be verified by a responsible designer or engineer, regarding the corresponding structure and load. Please consult your national norms and approvals.

Accessories

Cembrit Blade

To ensure a neat finish when cutting Cembrit facade boards, it is important to use the correct blade. Cembrit recommends using Cembrit Blades as they have been customised for the purpose and leave you with the best end-result.

The blades have trapezoidal diamond teeth which provide excellent cutting quality and extremely long durability. In addition, the amount of dust generated is significantly reduced compared to similar blades. The Cembrit Blade is available in 4 sizes depending on which saw is used.

The Cembrit blade can be used with dive saw, circular saw and stationary circular saw.

The Cembrit Blade is a high quality product that can be sharpened, thus improving asset cost efficiency. To achieve the best quality cut and to know which side to cut from, make sure of the instructions shown here. The direction varies depending on which saw you use.

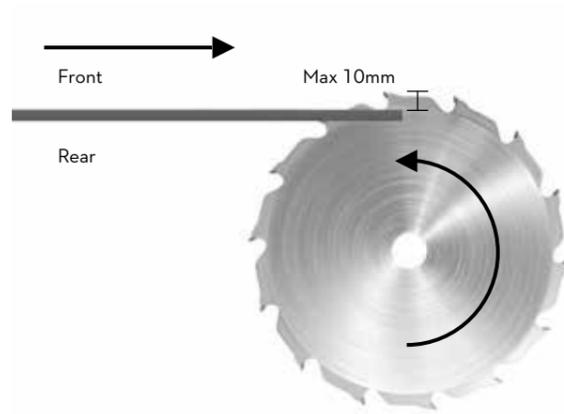
Handling

When cutting the facade boards, do not force the sawblade through the board. If you force the saw, the blade might overheat causing small vibrations -affecting the straightness of the cut or causing the board to flake if near the edges. The blade depth must be adjusted so that the blade goes max 10 mm through the board.

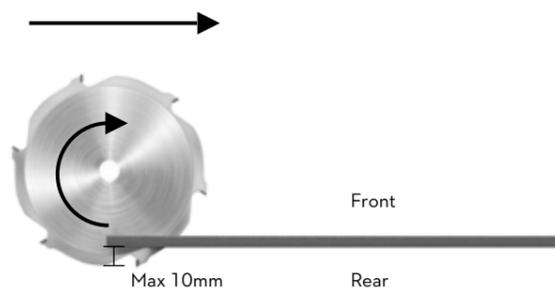
It is important to remove dust caused by cutting and drilling immediately either with a soft brush or a vacuum cleaner as it otherwise might damage the boards. Ensure that the boards are properly cleaned before installation, and if necessary use clean water, or water with a mild detergent and a soft sponge, or brush to remove dirt and dust from the surface.

Local requirements regarding safety must always be followed. Make sure to use correct safety equipment such as masks and dust ventilation and ensure that the saw is set up correctly according to the manufacturer's instructions.

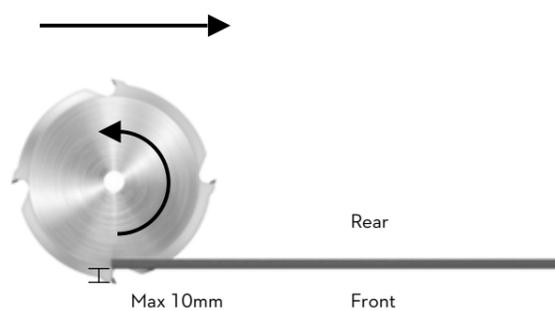
Never use water when cutting Cembrit facade boards.



When using a table saw, place the board with the face uppermost on the table and cut from the rear of the board.



When using a mitre saw, cut the board from the front.



When using a circular saw or dive saw, cut the board from the rear.

Accessories

Edge Sealer

Cembrit Edge Sealer should be used to protect all edges of fibre cement boards when cut on-site. Factory-cut edges are always factory pre-sealed. Only Cembrit Edge Sealer should be used on Cembrit products (Cembrit Cover, Cembrit Solid and Cembrit Transparent).

Before treating the surface

The boards must be dry and edges clean and free from dust and dirt before applying the Edge Sealer. It is useful to roughen the edges with sandpaper (grade 80). Edges must be sealed immediately after cutting.

Application conditions

Board and air temperature should be between + 5°C to + 30°C and relative humidity should be below 85%.

Application

If application is not to be carried out in a well ventilated room or outdoors, use respiratory equipment. Wear goggles and gloves while applying Edge Sealer as set out in the safety data sheet.

If there is sticky foil on the board, leave it in place until the Edge Sealer has dried.

Shake Edge Sealer before use. Apply it in a thin layer with the sponge applicator supplied in the Cembrit Edge Sealer set.

Avoid getting excess Edge Sealer on board faces. If this does occur, remove immediately with a lintfree cloth.

Ensure that the entire edge has been sealed with a thin layer before continuing to the next edge. Apply Edge Sealer to individual boards separately, not while stacked.

Disposal

Disposal of Cembrit Edge Sealer should be done in accordance with local and national regulations.



Cembrit Edge Sealer Set
0.25 ml Sealer
Applicator
Sponge

Storing and Handling



Cembrit products are delivered with plastic protection cover. If undamaged, the plastic cover provides good protection against dust and weather conditions during transportation. Always store Cembrit products on a flat dry level surface.



Only two pallets must be stacked on top of each other. Make sure they are positioned so they stand securely and stable.



If the pallets are stored outside when they arrive at the building site, the plastic cover should be removed. The facade boards should be stored on the pallet or sleepers with max 500mm distances.



Replace the plastic with a tarpaulin. It is very important that there is ventilation all around the tarpaulin and also on top of the pallet under the tarpaulin. This is done to make sure that condensation is reduced as much as possible.



If Cembrit facade boards are stored more than 2-3 weeks on site, the pallets should be kept under a roof to ensure dry and ventilated conditions.



Do not drag products from the pallet, as it may leave permanent scratch marks. Lift the product by its narrow edge as it may break if handled incorrectly.

Care & Maintenance

On-site

Cleaning of boards after cutting and drilling

It is important to immediately remove dust caused by cutting and drilling from the front and rear of the boards with a soft brush/duster or a vacuum cleaner, as it otherwise might damage the boards. Ensure that the boards are properly cleaned before installation, and if necessary use clean water or water with a mild detergent and a soft sponge or brush to remove dirt and dust from the surface. Thereafter, wipe the boards with a damp cloth. It may also be necessary to wash the surface after installation if the building site conditions have been unfavourable. This is done with lots of clean water or water with a mild detergent and a soft sponge or brush and finally wiping the boards with a damp cloth.

Removal of calcium-based residues

Calcium carbonate residue may occasionally be seen on the board surface. This can be difficult to remove with water or even with detergents because it does not dissolve in water. For cleaning purposes 10% acetic acid (CH₃COOH) solution is used to dissolve the calcium compounds.

Note! Carefully observe safety precautions (MSDS) when working with acetic acid. R-phrase R36/R38 is valid: "Irritating to eyes, respiratory system and skin". Use proper clothing, nitrile rubber gloves, eye protection goggles and approved respirator (filter A, E or A/E).

Carry out the mixing outdoors. Apply the diluted 10% acetic acid solution evenly with a spray can to the surface of the stained board. Leave it to react for a few minutes. Do not allow the solution to dry, but rinse with lots of clean water. Repeat the process if necessary and rinse with water afterwards.

Note! Do not execute the cleaning process with acetic acid in direct sunlight or on hot surfaces. This might create permanent stains.

Cleaning of neighbouring areas

Windows and glass in particular but also other adjacent areas must be kept clean during the facade

board installation and if necessary protected with plastic film. Alkaline leaching from cement bonded materials (dust from cutting or drilling holes in structural concrete, etc.) is prone to damaging glass and other materials. Therefore, frequent cleaning during and after the construction period is needed.

Surface damages and scratches

Damages and scratches should be avoided by lifting the boards off the pallet and handling them carefully during installation. Scratches might leave white streaks on the surface which will turn dark when exposed to rain, because the board absorbs water through the scratch. Repair paint is not available. The only way to prevent dark stripes or spots is to carefully apply clear Cembrit Edge Sealer onto the scratch with a thin brush (does not apply to Cembrit Patina design line boards). In any case the dark area will diminish after 6 to 12 months, because of the carbonation reactions in the cement matrix of the board.

Wet framing/wet spots around rivet holes

The principles for scratches also apply to cut edges: Carefully apply Cembrit Edge Sealer according to Cembrit instructions. Cembrit screws and rivets are supplied with sealing washers negating the need to seal pre-drilled fixing holes. When properly installed, the sealing washers will prevent water penetration into drill holes.

Behaviour in wet conditions

Since the boards are made of Portland cement, their colour may turn darker when exposed to rain if the board absorbs moisture through holes, scratches or insufficiently sealed edges. This is natural behaviour for any cement-based product and it does not affect the integrity or long-term durability of the board. The original colour is restored as soon as the boards dry out. The darkening will show after heavy rainfall for the first months after installation. It will gradually reduce within 6 to 12 months, because the cement-based matrix reacts with carbon dioxide from the atmosphere – carbonation – and thereby reduces water penetration.

Care & Maintenance

After installation

Annual Inspection

Normally Cembrit facade boards do not require any maintenance. Weathering may however influence the appearance of the facade. Therefore, an annual inspection of the ventilation gaps, joints and fixings is a good idea.

Detection and repair of possible damage ensures a prolonged lifespan for the facade.

Cleaning

Cembrit facade can be cleaned with cold or lukewarm water if necessary with the addition of a mild household cleaning agent not containing solvents. Always start from below with well-defined areas. Rinse with plenty of clean water until the facade is perfectly clean. Before cleaning full scale, it is recommended to test the chosen cleaning method on a smaller area to ensure it works and does not damage the board surface.

High-Pressure Cleaning

Warning! High Pressure Cleaning is a severe treatment for fibre cement facade. Exaggerated or wrong use of a high pressure cleaner may damage the surface. Therefore, High Pressure Cleaning is not recommended.

Moss & algae

Moss and algae growth can be removed with common agents available on the market. Care should be taken to ensure that the cleaning agent does not cause damage to the surface of the Cembrit facade boards. Confirm the compatibility of your cleaning agent with your cleaning agent supplier, and ensure it is applied according to the supplier's instructions. It is advised that before conducting a large-scale application a test is carried out on a small, inconspicuous area to ensure that the cleaning agent has no effect on the colour of Cembrit facade boards.

Efflorescence

Efflorescence is a naturally occurring, white, powdery deposit that can appear on cement-based building materials (including bricks, cement walls, grout, and fibre cement). It is the result of a process in which moisture draws salt crystals to the surface, evaporates, and leaves a chalky substance behind. Efflorescence occurs when all three of the following conditions exist:

1. Water-soluble salts are present in the building material.
2. There is enough moisture in the wall to turn the salts into a soluble solution.
3. There is a path for the soluble salts to get to the surface.

Efflorescence may also be a sign of water ingress behind the facade. Make certain that all openings are properly covered and there is no water intrusion due to over-driven nails.

While some efflorescence may weather away naturally on its own, it is best to take steps to treat it. Efflorescence can be removed with household white vinegar and water. For most cases of efflorescence, Step 1 - 3 works well. But for substantial deposits of efflorescence go to Step 4.

For best results, follow these cleaning instructions:

1. Protect areas that are not to be cleaned. Rinse all plants and vegetation around the facade with water before and after application of the vinegar.
2. Generously coat the entire surface area with vinegar. Allow the solution to sit on the surface for 10 minutes.
3. Rinse the treated area thoroughly with water from the top down and allow the area to air dry.
4. For extra tough efflorescence: Use a 10% acetic acid solution and apply to affected area with a cotton cloth. A light scrubbing with the cotton cloth may be required. After about 20 seconds rinse with water.

Health and Safety

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

Cutting and drilling

When cutting, grinding or drilling, dust from the fibre cement boards is released. This dust is characterised as mineral dust. Breathing large amounts of dust may cause irritation to respiratory functions, eyes or skin. Therefore, Cembrit always recommends wearing personal protection equipment or stated by local law (Safety goggles, safety suit and a respiratory mask - P2 marked).

When cutting Cembrit facade boards ensure adequate ventilation.

If the boards are cut indoors, it may be necessary to use an extractor system or a HEPA filter vacuum attachment attached to the power saw. When cutting outdoors, you should also use a HEPA filter vacuum attachment to the power saw. If ventilation is not adequate to limit exposure, wear a disposable respirator or air purifying cartridge respirator fitted with a Class P2 filter (European EN 143 standard). To reduce exposure to dust, Cembrit recommends using Cembrit Circular Blade.

Lifting Cembrit facade boards

When lifting Cembrit facade boards, please consider your lifting methods both in terms of safety but also to avoid damaging the boards.

When lifting or moving the facade board, please make sure to lift the board by its narrow edge as it may otherwise break if handled incorrectly. If lifting Cembrit facade board manually, make sure to adhere to any local rules. When lifting large boards, use mechanical lifting gear if possible. If this lifting gear uses suction/vacuum, be careful not to apply too much suction, as this may damage the surface or leave permanent marks.



Onsite Handling

Cembrit facade boards are supplied with a polyethylene foam layer between each board to prevent scratching and damage to the surface. The polyethylene is an environmentally friendly polymer that can be disposed of as normal combustible waste.

On Cembrit Cover and Cembrit Solid boards will in some cases be a protective foil applied on the surfaces. This foil is a stikki foil which does not fall off when handling the boards. Use the foil to make marks on for the holes for the rivets. Pre-drill through the foil.

Just before installation of the board remove the foil. Do not wait with removing the foil to after screw or rivets are fitted.



When marking the boards, make sure that marks are no larger than the hole to be drilled or no thicker than the blade that is to cut the board, as it can be difficult to remove marks from the board afterwards.



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.



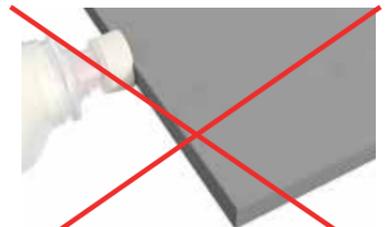
The boards should be pre-drilled with an appropriate fibre cement drill bit. Dust from cutting or drilling must be removed with a brush or a fiber cloth immediately after the work has been completed, otherwise it can mark the surface of the boards.



All cut edges (except Cembrit Patina design line boards) must be sealed with Cembrit Edge Sealer to ensure protection of the cut edges. Use the Cembrit Edge Sealer Set with Applicator and Sponge. Avoid getting Edge Sealer liquid on board faces. If this does occur, remove any liquid with a lint-free cloth immediately.



If there is sticky foil on the board surface, it is advantageous to keep it on when sealing edges. It can also be used to make marks for holes and cutting. Remember to remove it before installation.



Cembrit Patina design line boards should NOT be sealed with Cembrit Edge Sealer.

CENBRIT

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Please visit your local website for contact details and further information.

Cembrit is one of the leading European manufacturers of multi-capability fibre cement building products. Our products and solutions add exciting new design opportunities for moulding attractive, durable settings for people's lives. But Cembrit is more than mere products. We also help make all kinds of design and construction projects easier - as well as more profitable, inspiring and effective. And for us, every construction project also involves building relationships with people, making your day better, and helping you make the day better for others. Making it a day to remember.