

FIBERPLANK | 

Fibrocement cladding boards



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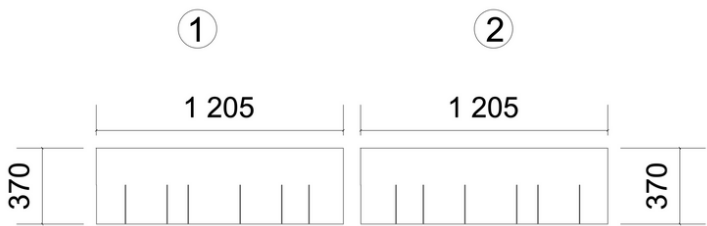
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RECOMMENDATIONS

- ✦ If you are planning to install fibrocement cladding boards, it is important to comply with local construction regulations. Before installing any facade system, we recommend checking local building codes for specific requirements or restrictions. Additionally, it is advisable to familiarize yourself with European standards CEN/TS 15534-1, CEN/TS 15534-2, CEN/TS 15534-4, and CEN/TS 15534-5.
- ✦ When working with fiber cement, you can use standard woodworking tools. However, an additional diamond cutting disc will be necessary for cutting the material. This ensures clean cuts and prevents damage to both the boards and the tools. Make sure to follow proper safety guidelines, especially when cutting, to avoid any accidents or material breakage.
- ✦ To ensure the best appearance of the facade, it is recommended to create a design with future construction plans and sections before starting the installation. This will help avoid mistakes and guarantee a flawless finish. Having a clear plan in advance allows for better precision during installation and helps in visualizing the final result.
- ✦ It is important to emphasize that all facade profiles should not be used as load-bearing structures. They are designed solely for aesthetic and protective purposes and should not be relied upon to support weight or external forces. Ensuring that load-bearing elements are properly integrated into the structure will prevent potential issues down the line.
- ✦ Furthermore, the facade should not be installed directly onto an existing facade. It is essential to create a proper substructure or mounting system to ensure the new facade is securely attached and functions effectively.

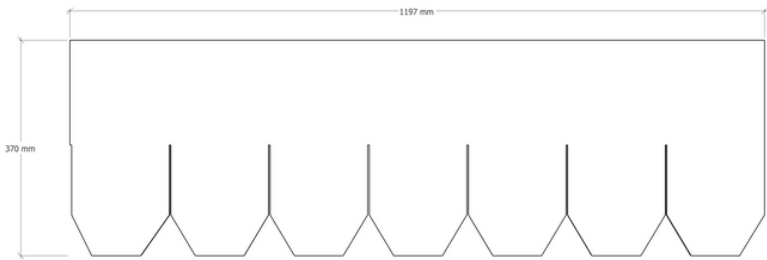


Cladding boards and profiles



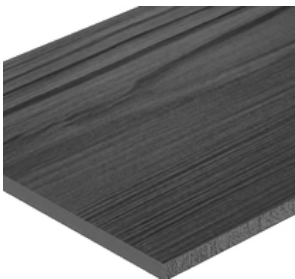
Classic

Dimensions:	1200x370x8mm
Useful dimensions:	1200x180mm



Modern

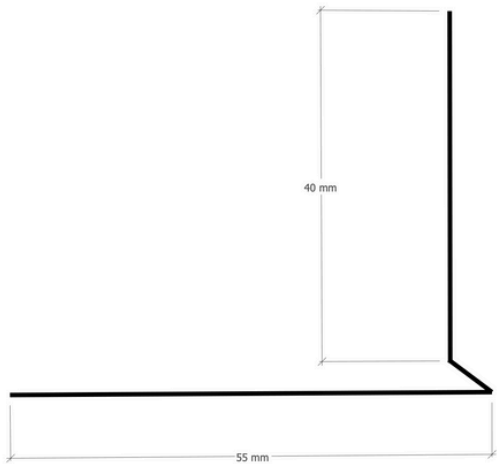
Dimensions:	1200x370x8mm
Useful dimensions:	1200x180mm



Fiberplank start plank

Dimensions: 1800x180x8 mm

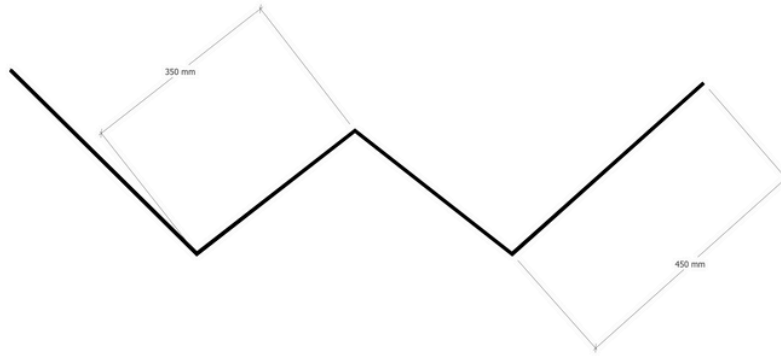
This board is used only for the installation of the facade's beginning. It is the first board that is installed around the perimeter of the building.



Start / ventilation profile

Dimensions: 3000x40x50 mm

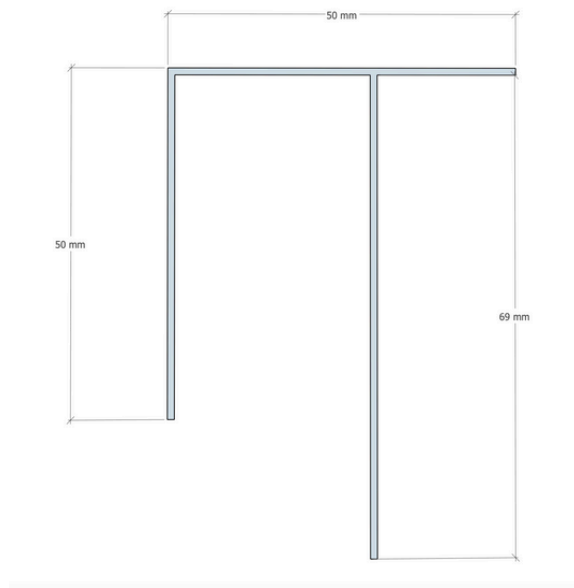
This profile is used to ensure proper and adequate ventilation of the facade and to angle the first board correctly.



Internal profile

Dimensions: 3000x350x450 mm

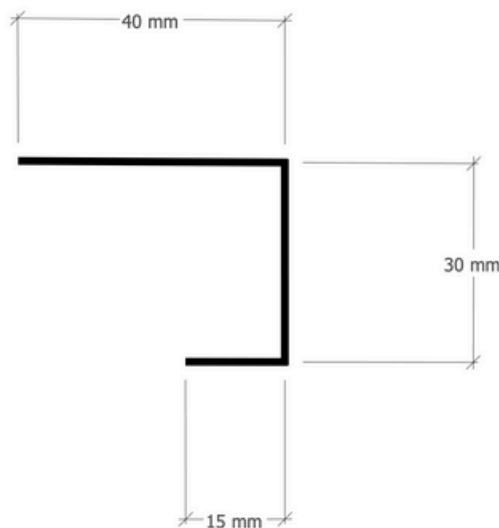
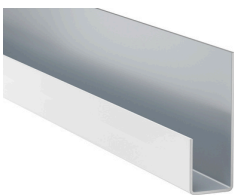
Internal metal finishing profile. Used for the internal corners of the building facade.



F external profile

Dimensions: 3000x50x50x69 mm

F metal profile is used for the external corners of the building or around windows.



Finishing profile

Dimensions: 3000x40x30x15 mm

This profile is designed for finishing the facade, eaves, and trimming around windows.



Screws Stainless steel. Wood / aluminum

Dimensions: 4,2x40 mm

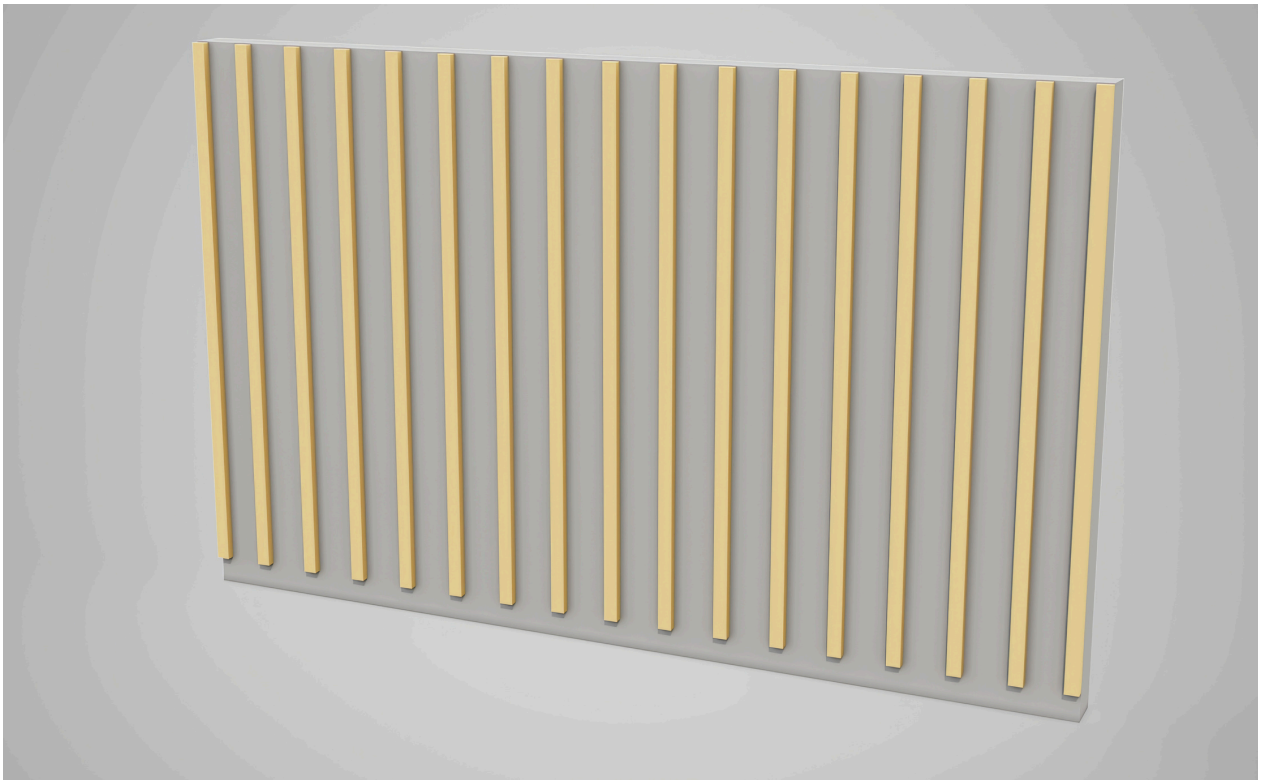
Stainless steel screws are coated in the same color as the Fiberplank cladding boards.

General information

- ✦ Follow these instructions and the additional video clip (see www.fiberplank.com) to ensure proper facade installation. For any questions or missing information, you can contact the Fiberplank team at www.fiberplank.com.
- ✦ Use appropriate safety equipment, such as a helmet, safety glasses, protective boots, and gloves. Mark off the work area to ensure that bystanders are alerted to the ongoing work.
- ✦ If your building's facade is higher than 12 meters, located near the sea, or exposed to higher wind loads, an additional wind load impact assessment is required.
- ✦ Remove any obstacles from the facade, if necessary, such as downspouts, decorations, lighting fixtures, etc.

!!! SAFETY!!!

Before starting work, ensure that an authorized person has disconnected the electricity, water, and gas supply.

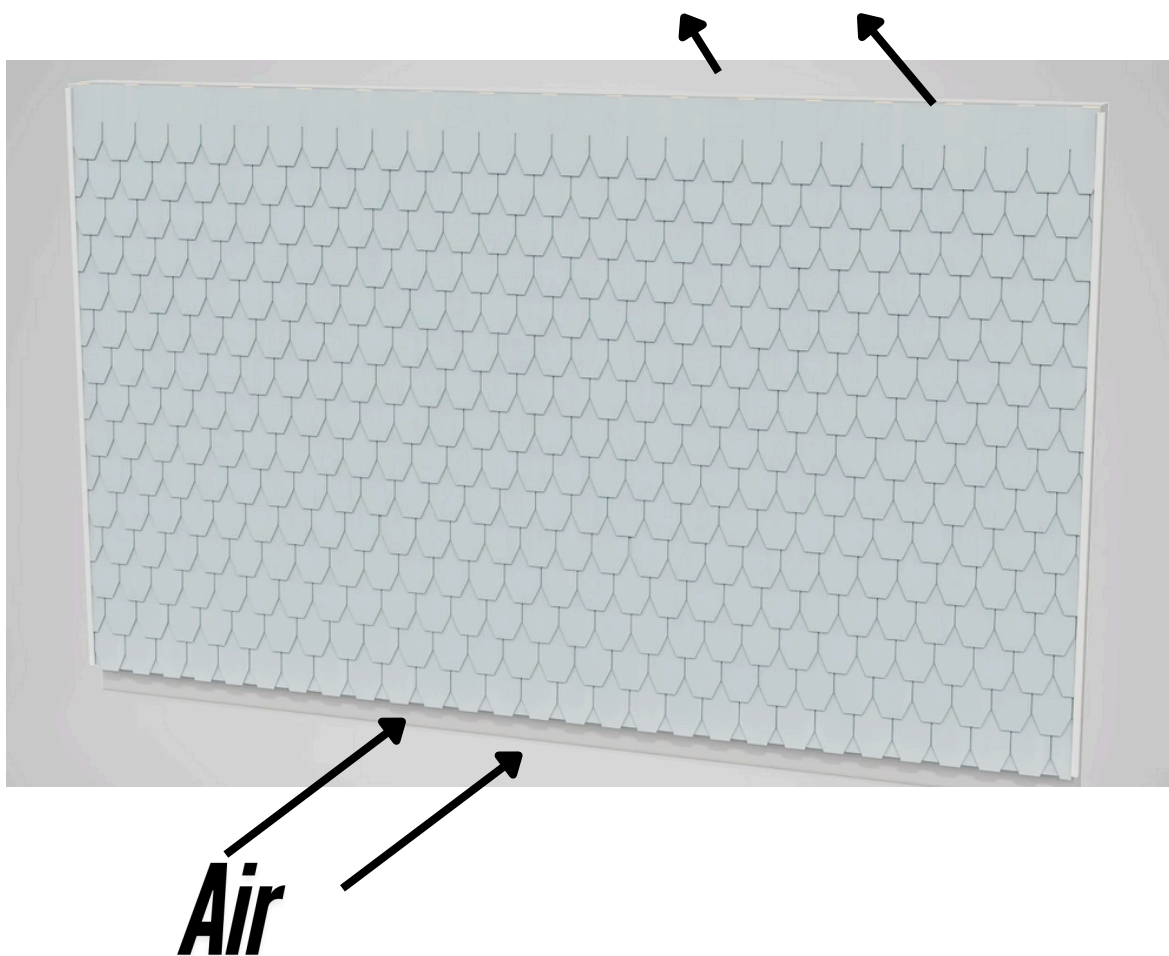


SYSTEM OPERATION PRINCIPLES: VENTILATED FACADES

Fiberplank cladding boards are installed based on the ventilated facade principle. This means that air enters beneath the cladding at the bottom of the system and then exits through the top of the Fiberplank facade system.

A minimum 30 mm ventilation gap should be left behind the cladding boards, and a continuous gap of at least 10 mm should be maintained at the top and bottom of the system to allow proper air circulation.

The circulating air between the building wall and the Fiberplank facade removes any moisture. Failure to follow these guidelines may result in moisture-related issues within the system.



If you plan to attach other building elements (such as signs, downspouts, tarpaulins, etc.), additional wooden battens must be installed, and holes should be drilled in the Fiberplank cladding boards for fastening the building elements. Under no circumstances should the Fiberplank cladding boards be subjected to additional loads.

TRANSPORT AND STORAGE

1

Fiberplank cladding boards should be stored covered on the pallets they were delivered with. All temporary coverings used during transport must be removed to allow any accumulated moisture to escape. The stored cladding boards should be covered with an opaque tarp. The boards should also be protected from dirt and stain marks.

2

Cement cladding boards should be laid horizontally on a flat surface. Ensure there are enough battens or store them on pallets. Never lean the cladding boards against a wall.

3

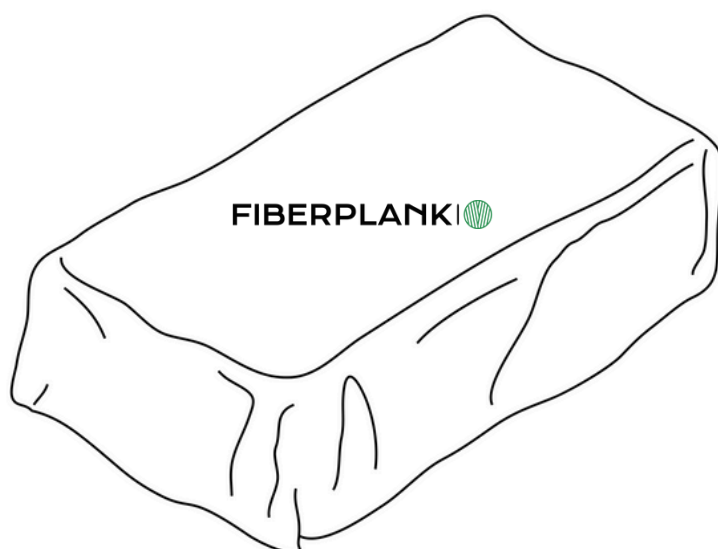
It is essential to protect the boards from environmental exposure. Unpacked Fiberplank cladding boards should not be stored near loose or dusty construction materials. If the packaging gets wet, it must be removed, and the boards should be arranged in a way that allows them to dry properly.

4

The products must be stacked in a dry, well-ventilated area. If stored outdoors, they must always be protected from rain — covered with a tarp or polyethylene film.

5


When unloading Fiberplank cement cladding boards, the painted surface must be protected. Do not pull the boards out of the packaging; instead, carefully lift them one by one. Use polyethylene film between the fiber cement boards. It is recommended to allow the boards to acclimatize in the room where they will be installed before starting the installation.




TOOLS

The tools required will depend on the scope of the work. Don't forget to use protective boots, safety glasses, hearing protection, a dust mask, and other personal protective equipment.

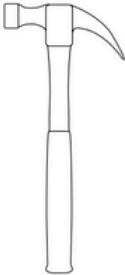
Basic




Pencil



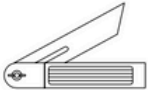
Knife




Hammer




Spirit level




Bevel or angle finder




Measuring tape



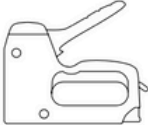
Hack saw



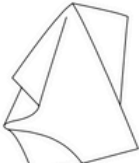
Chalk line




Square



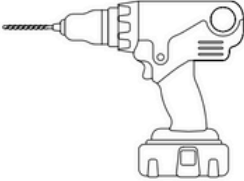
Stapler



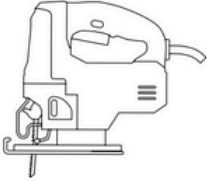
Microfibre cloth



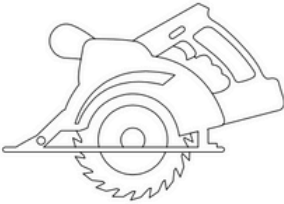
Metal snips



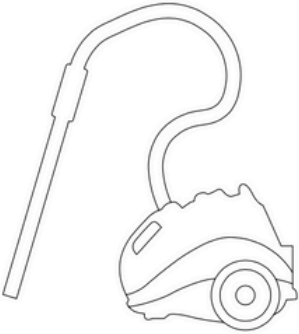
Cordless screwdriver/drill



Jigsaw with blade for fibre cement



Circular hand saw
With diamond tipped blade



Vacuum extraction with an appropriate dust filter

7-Step Installation Procedure:

1. Attach the wooden or metal battens to the wall.
2. Attach ventilation profiles at the top and bottom of the battens.
3. Attach the vertical profiles.
4. Attach the horizontal starting profiles.
5. Cut and attach the Fiberplank cladding boards.
6. Finish the corners.
7. Paint the cut areas with repair paint.

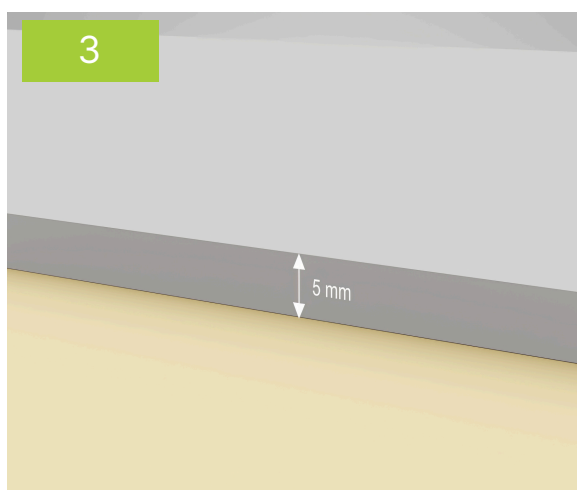
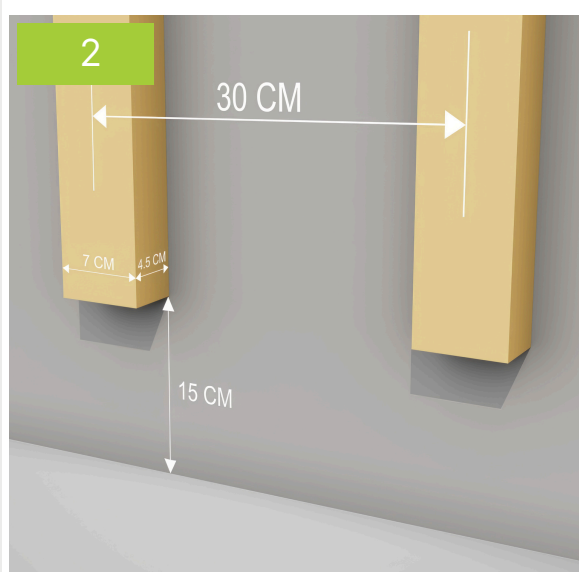
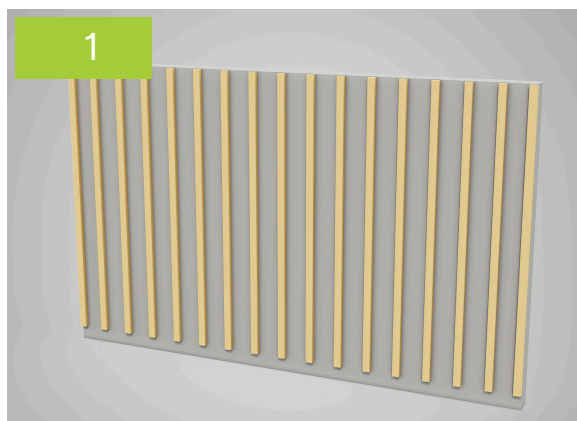


GENERAL CLASSIC AND MODERN INSTALLATION INFORMATION

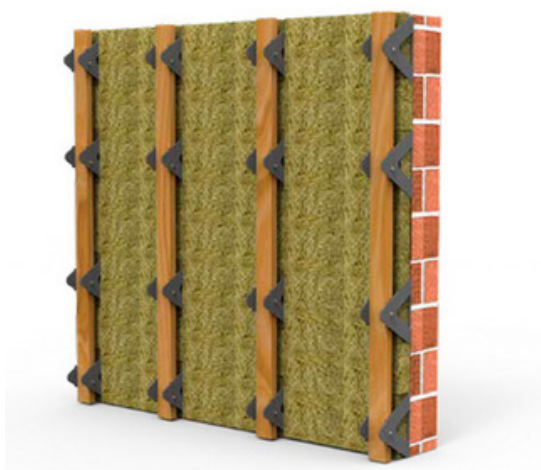
1 The frame can be either wooden or metal. It is important to ensure that the structure is leveled and attached with screws suitable for your wall. Attach the vertical battens starting from the outer corner and continue towards the inner corner of the house. Make sure the battens connect at the corners, as support will be needed later for the finishing profiles.

2 The frame is installed with 30 cm spacing between the centers of the battens. The frame structure should be raised 15 cm from the ground surface. Standard battens should be at least 7 cm wide for proper connection of the Fiberplank cladding boards. Ensure that the fasteners can support the weight of the supporting structure and the Fiberplank cladding boards.

3 A 5-10 mm air gap is left at the top of the frame to ensure proper facade ventilation. A ventilation profile is used at the top.



If a thicker thermal insulation layer needs to be installed or if the wall is very uneven, corner brackets can be used. For additional information, please consult a builder or designer – engineer. If the wall is smooth and no additional thermal insulation layer is required, horizontal battens are not necessary.

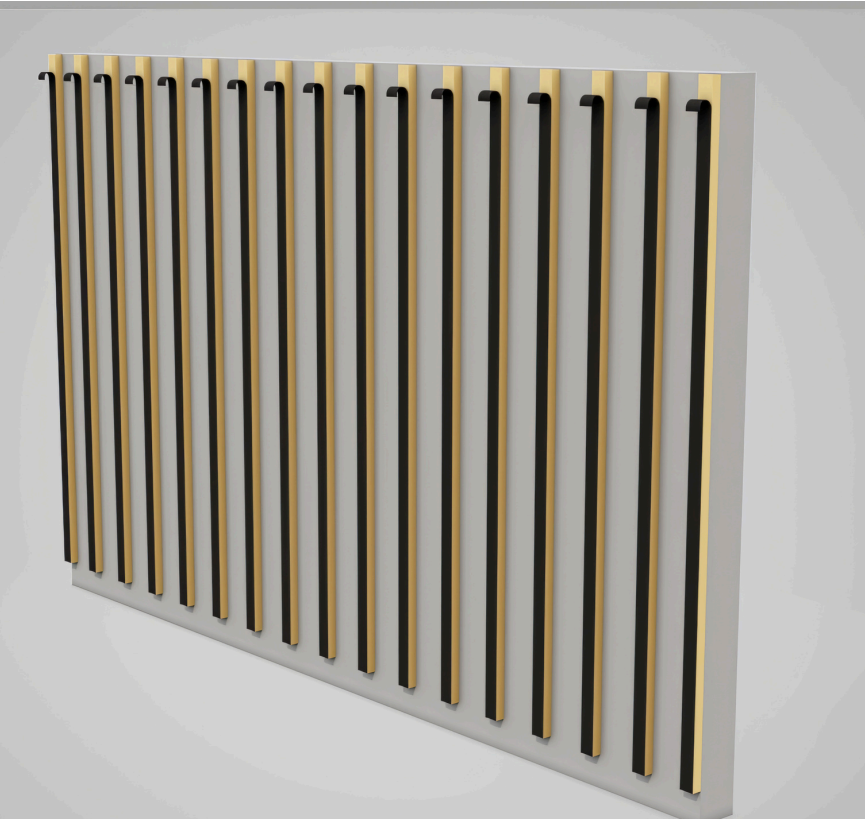




FRAME PROTECTION

Protect the wooden battens by covering them from bottom to top with EPDM tape. If the facade is made with a metal frame, this is not necessary, but EPDM tape should still be used when connecting the cladding boards.

1

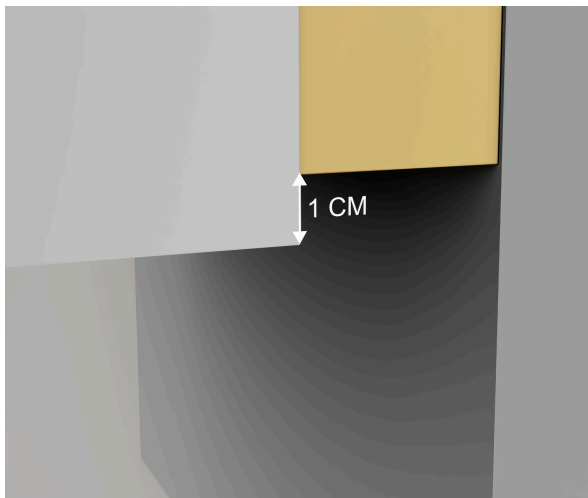




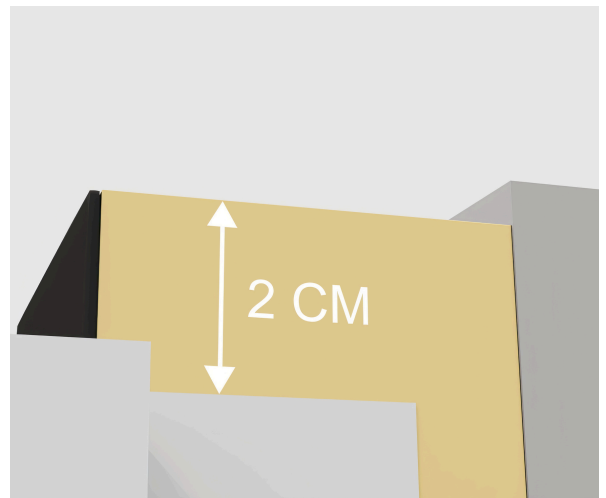
If finishing profiles are used for the facade on the outer or inner corners, they should be installed first.

1

When installing the finishing profiles, allow them to overlap by 1 cm at the bottom of the frame structure.



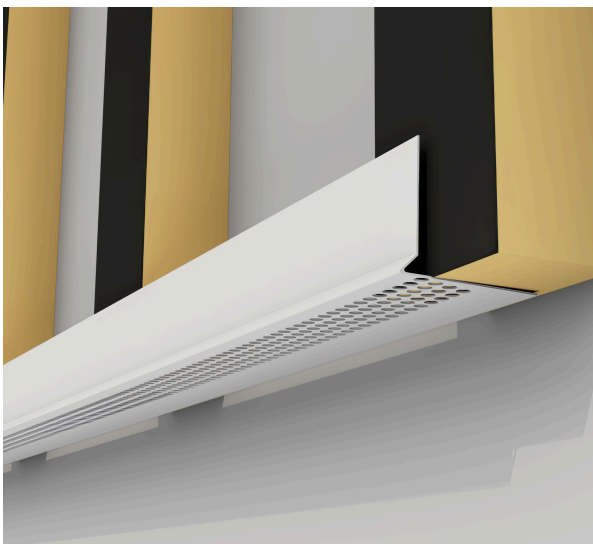
When installing the finishing profiles, lower them by 2 cm onto the top of the frame structure.



The profiles can be cut with a metal saw or trimmed with metal scissors. Attach the profiles to the frame structure with screws. Use a spirit level to ensure the profiles are straight. The ends of the profiles may be sharp, so wear gloves.

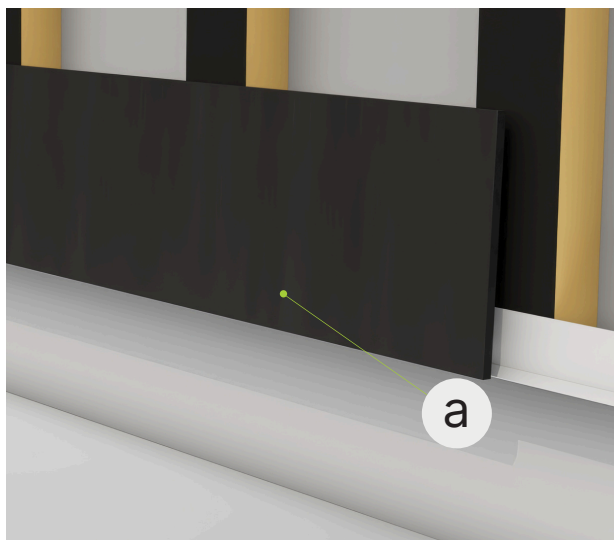
2

The next installation step is to install the starting ventilation profile. This profile protects the facade from rodents and ensures proper facade ventilation. Additionally, this profile provides the necessary tilt for the first board. The tilt is very important as it ensures proper water runoff from the Fiberplank facade cladding boards.



3

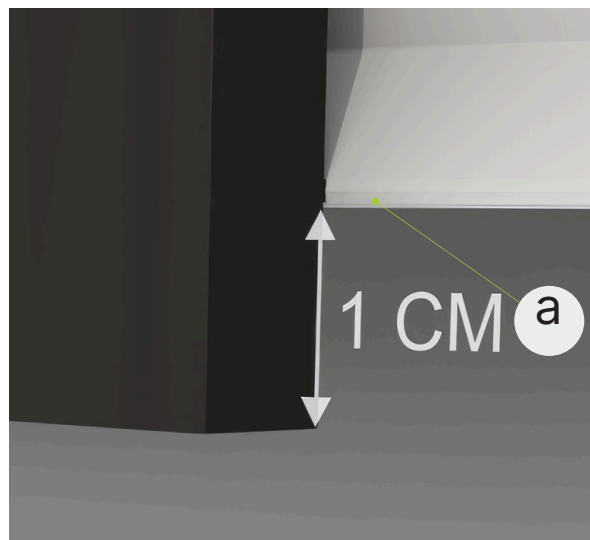
After installing the starting/ventilation profile, the Fiberplank starting board needs to be screwed in. This board measures 1800x180x8 mm. The board is the same color as the Fiberplank MODERN or CLASSIC cladding boards. Once the starting board is installed, the structural parts will not be visible through the cutouts of the Fiberplank boards. When joining the cladding boards, a 1-2 mm gap is required.



a - Starting board 1800x180x8 mm.

The starting board should be lowered 1 cm below the starting/ventilation profile for rainwater drainage, to prevent moisture from accumulating near the board and profile, and to conceal the profile, which is a different color than the board.

4



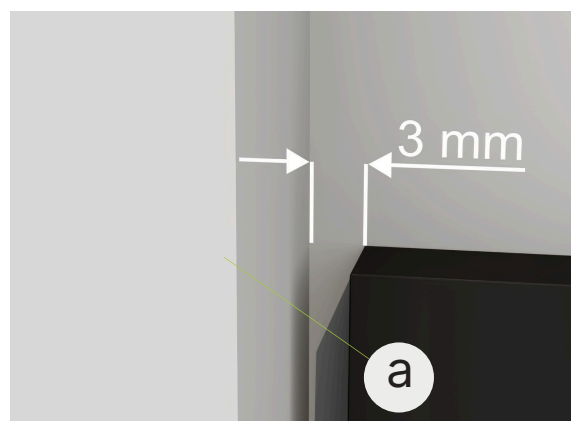
a - Starting/ventilation profile, 3 meters in length.

5



a - Stainless steel screw.

When screwing the board, it is important to maintain the specified distances from the edges of the board, otherwise, the edges of the board may crack.



a - Finishing profile

When installing Fiberplank facade boards, it is essential to leave a 2-3 mm gap between the boards and the finishing facade profiles, which are installed at the exterior and interior corners of the house. If finishing profiles are not installed, a gap must still be left from any structures.

6



CLASSIC INSTALLATION



1

After installing the starting Fiberplank boards around the perimeter of the house, you should begin installing the Fiberplank facade planks with cutouts, using Classic siding boards.



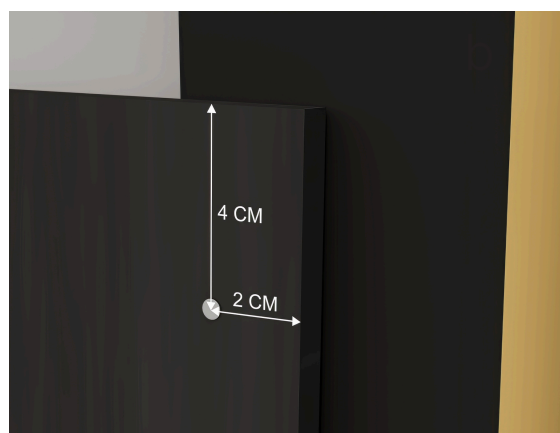
Fiberplank Classic siding boards come in two different types, and they are cut using a mirror principle to prevent the pattern from repeating during installation. Therefore, they need to be alternated during installation.



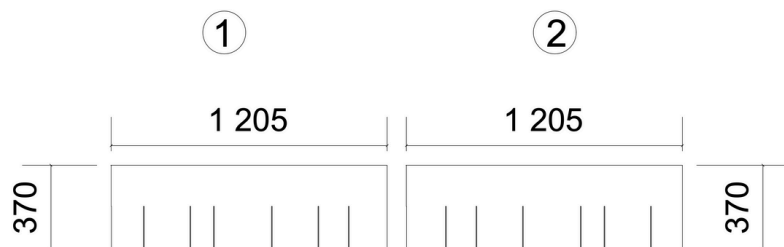
When connecting the siding boards, they must be joined at the center of the frame battens. It is prohibited to screw additional supports. It is essential to check with a spirit level to ensure the facade is mounted straight when installing the Fiberplank boards.



The first Fiberplank row is overlapped by 19 cm on the starting Fiberplank board. Siding boards still need to be checked with a spirit level to ensure there are no deviations.



The screws are painted the same color as the siding, so even if the screw does not hide between the cuts of the boards, it will still be invisible. Tighten the screws at the specified distance from the edges of the siding.



FIBERPLANK CLASSIC is delivered on pallets, with two CLASSIC siding boards packed together. These boards are of the same size, but they are cut using the mirror method, which means that during installation, you need to choose which board will be first and which will be second. It is not allowed to place identical boards one after another, as this will not create a random pattern..

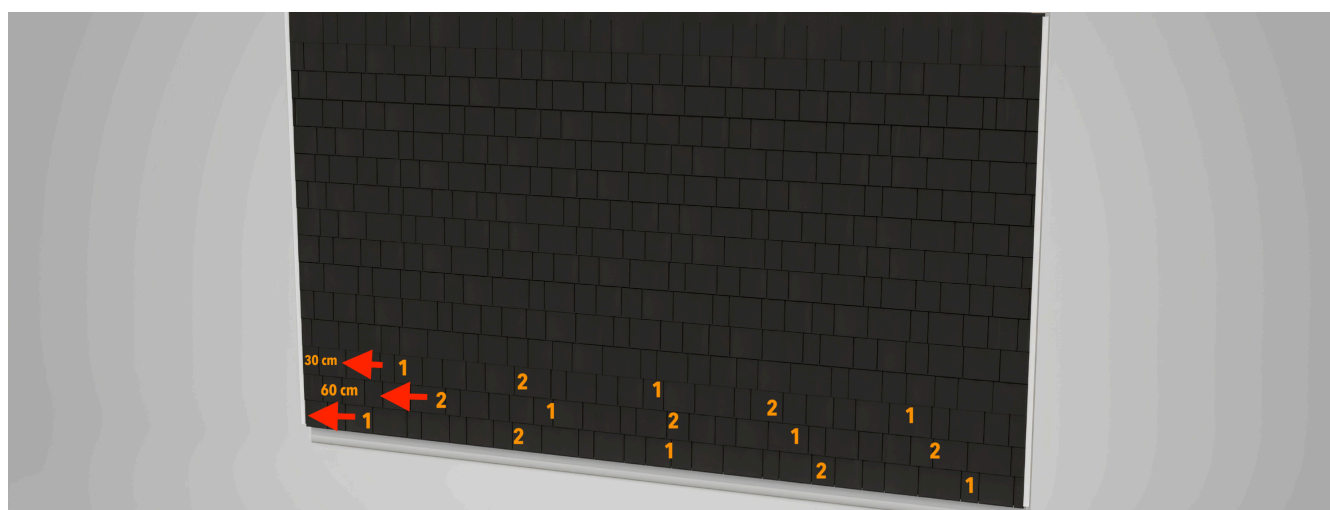
Installation example:



1

2

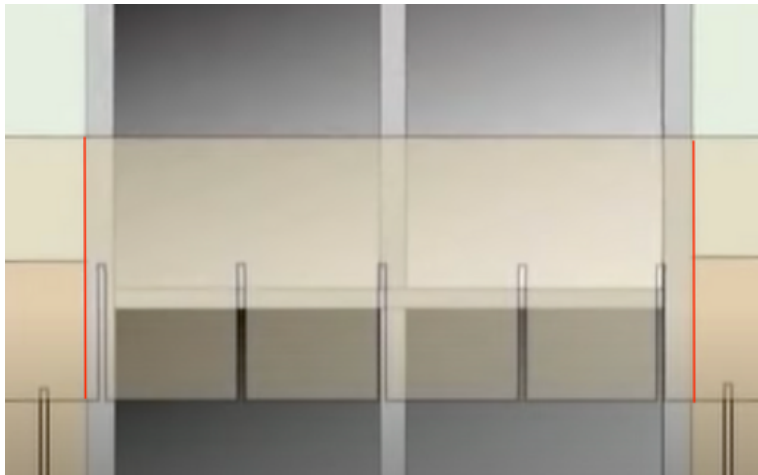
- ◆ The first row starts from the edge of the facade with the following principle: 1-2-1-2-1-2-1-2, and so on. The board is overlapped by 19 cm.
- ◆ The second row is installed 60 cm from the edge of the facade and starts with 2-1-2-1-2-1-2, and so on. Fastening is done at the centers of the frame structure using EPDM tape.
- ◆ The third row is installed 30 cm from the edge and starts with 1-2-1-2-1, and so on. Fastening is done at the centers of the frame structure using EPDM tape.
- ◆ As you move upward, this pattern is repeated from the beginning.
- ◆ The cut pieces can be used later where siding of similar dimensions is needed.



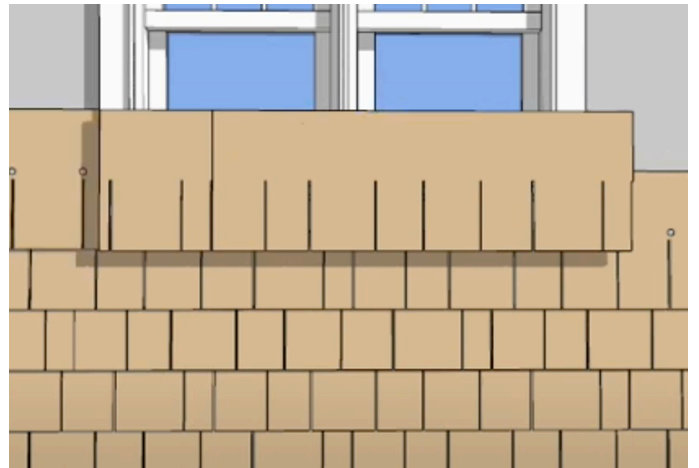
INSTALLATION AROUND WINDOWS

1

Attach the siding so that it appears as if there is no window. Mark the areas that will remain on the facade or those that overlap the window and will need to be cut.



When installing around windows, it is necessary to cut the siding as needed, but do not lose the alignment of the rows and continue installing, cutting only the unnecessary parts.



2

It is essential to check with a spirit level to ensure the facade is mounted straight when installing Fiberplank boards.

Fiberplank is not responsible for the corrosion resistance of the fastening components if the screws are not purchased from Fiberplank.

Ensure that the fastening components meet Fiberplank's general fastening requirements when attaching to a wooden or steel frame.



The fastening components must be installed perpendicular, and the heads should be flush with the surface of the siding. Do not overtighten the fastening components. When a fastening element is overtightened, its holding strength is reduced, and it creates an entry point for moisture.

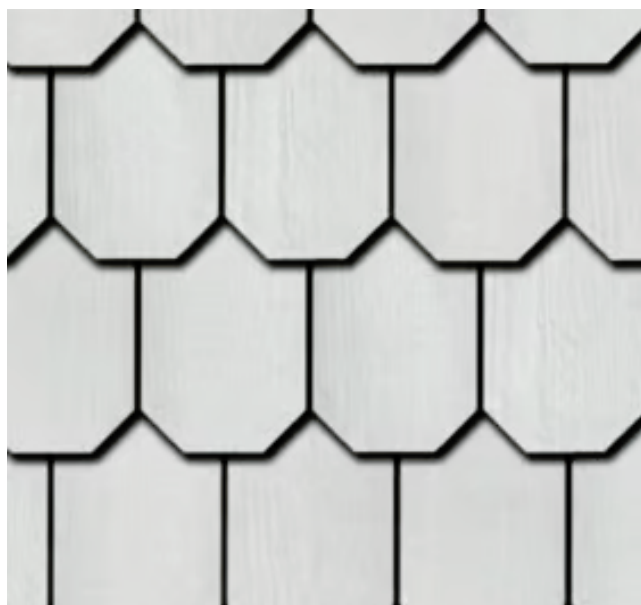


Do not use staples, clipped heads, or aluminum fastening components for installing Fiberplank products.

Cut areas must be painted with Fiberplank repair paint. These are sold together with the fiber-cement Fiberplank siding boards. Apply the paint only to the cut area, avoiding applying it to the fiber-cement siding itself. The paint is intended only for cut or damaged areas, not for repainting the entire siding.



MODERN INSTALLATION

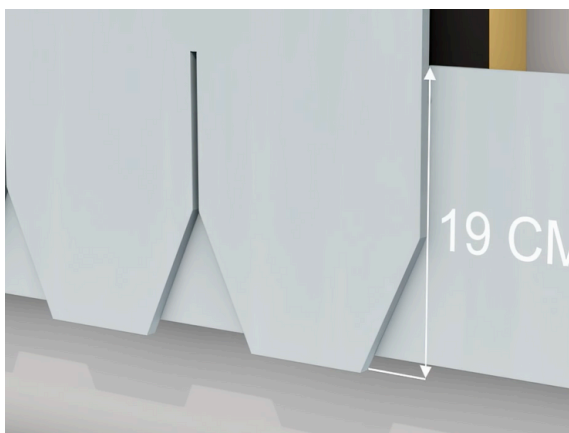


1

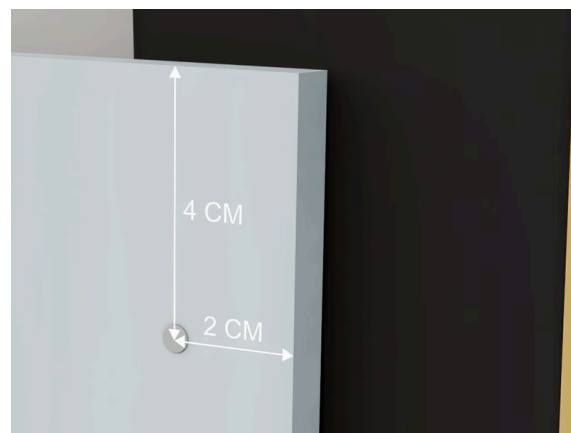
After installing the starting Fiberplank boards around the perimeter of the house, you should begin installing the Fiberplank facade planks with cutouts, using Modern siding boards. All MODERN siding boards are of the same size. Tolerances of ± 3 mm are possible.



When connecting the siding boards, they must be joined at the center of the frame battens. It is prohibited to screw additional supports. It is essential to check with a spirit level to ensure the facade is mounted straight when installing the Fiberplank boards.

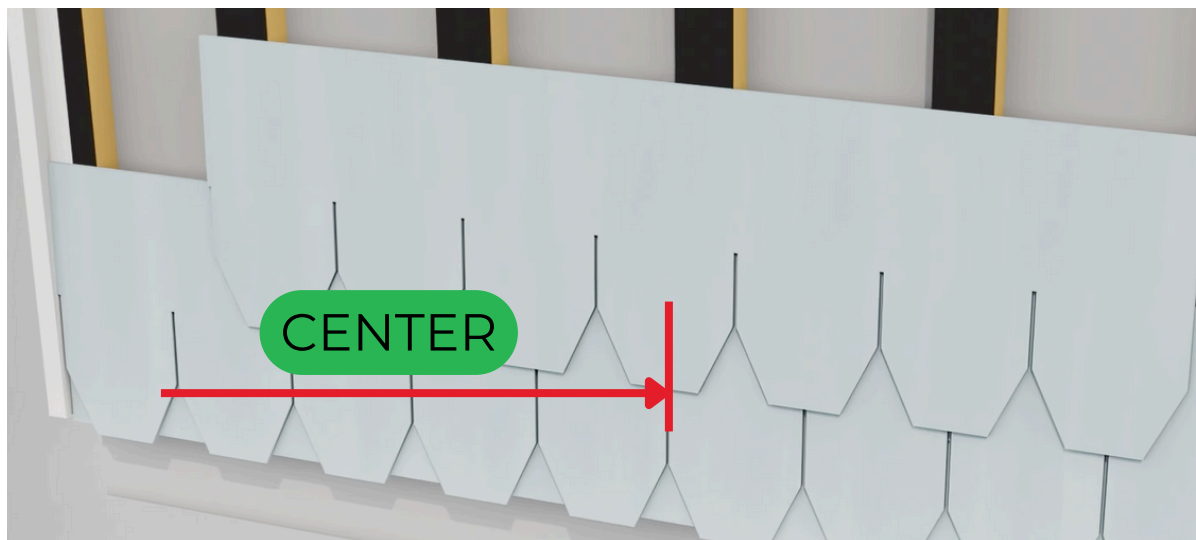


The first Fiberplank MODERN row is overlapped by 19 cm on the starting Fiberplank board. The siding boards still need to be checked with a spirit level to ensure there are no deviations.

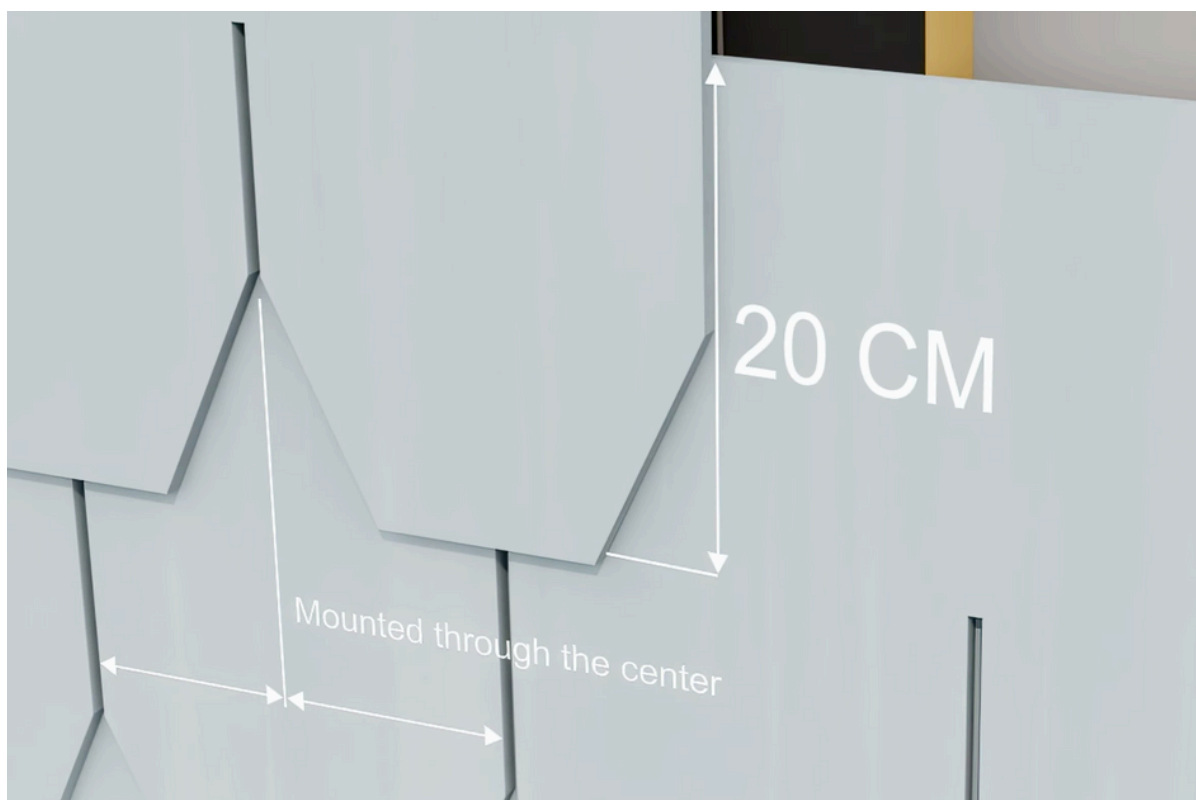


The screws are painted the same color as the siding, so even if the screw does not hide between the cuts of the boards, it will still be invisible. Tighten the screws at the specified distance from the edges of the siding.

- ◆ FIBERPLANK MODERN siding boards are installed by overlapping one board onto the other through the cuts of the previously installed boards. The cuts of the lower MODERN siding boards must align with the center of the pattern of the upper MODERN boards. When connecting the boards, their ends should not overlap.



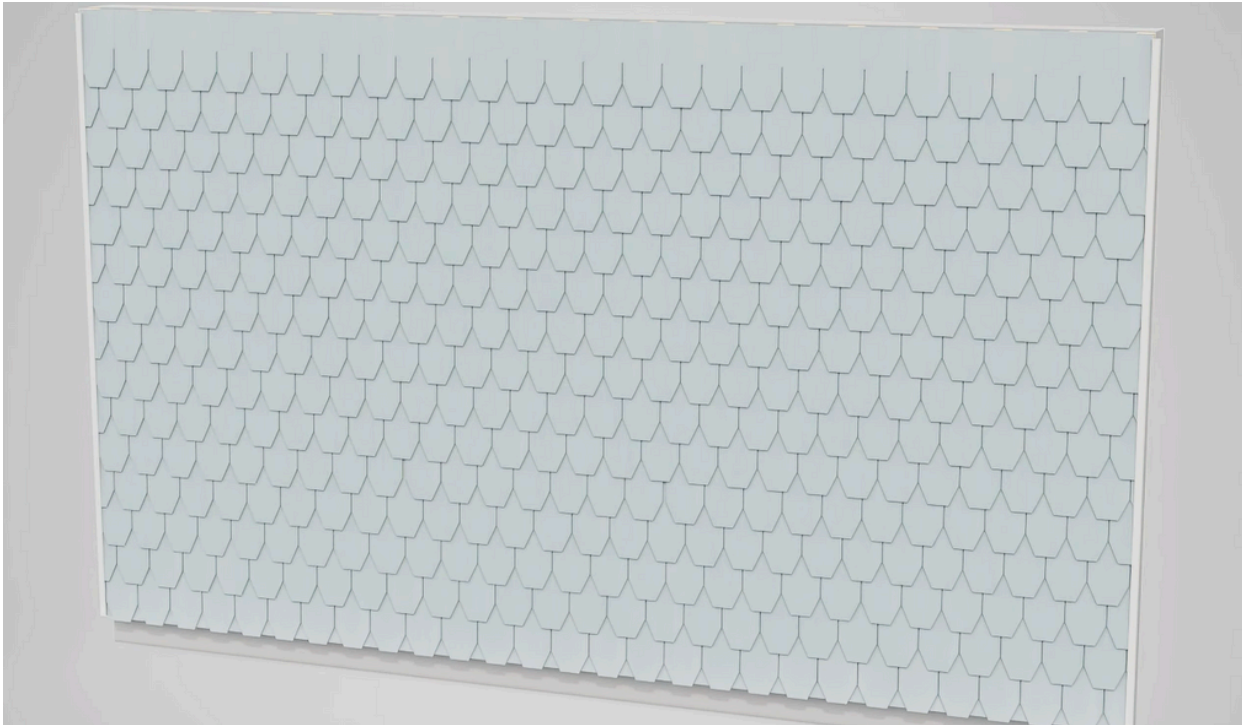
- ◆ If the edge of the MODERN siding does not reach the frame elements to which the siding will be attached, it must be cut in such a way that the pattern of the boards remains unchanged, and after cutting, the siding should be attached to the center of the frame battens. The cut areas must be painted with FIBERPLANK repair paint, and the cut pieces can be used in other areas of the facade. The paint should be used sparingly, only where the paint layer is damaged or along the cut edges.



The siding boards are overlapped a maximum of 20.00 cm and a minimum of 18.00 cm.

Installation example:

3



When installing and cutting Fiberplank MODERN siding boards, it is essential to clean them immediately. After cutting, wipe off the dust with a clean, dry cloth.



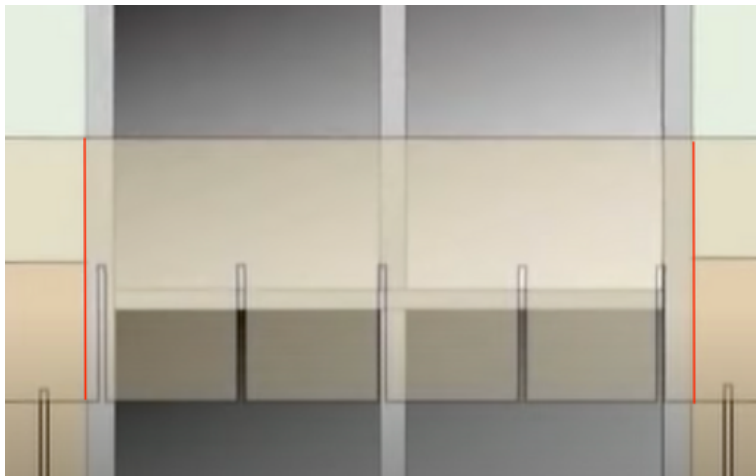
Note: Cutting and drilling can only be done in a dry and well-ventilated area.



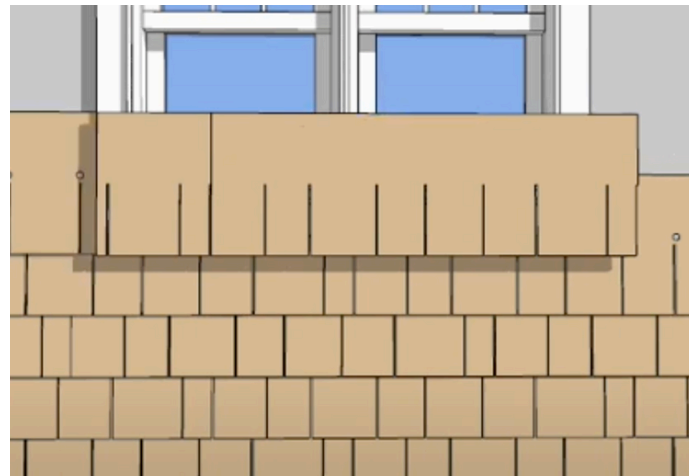
INSTALLATION AROUND WINDOWS

4

Attach the siding so that it appears as if there is no window. Mark the areas that will remain on the facade or those that overlap the window and will need to be cut.



When installing around windows, it is necessary to cut the siding as needed, but do not lose the alignment of the rows and continue installing, cutting only the unnecessary parts.



5

It is essential to check with a spirit level to ensure the facade is mounted straight when installing Fiberplank boards.

Fiberplank is not responsible for the corrosion resistance of the fastening components if the screws are not purchased from Fiberplank.

Ensure that the fastening components meet Fiberplank's general fastening requirements when attaching to a wooden or steel frame.



The fastening components must be installed perpendicular, and the heads should be flush with the surface of the siding. Do not overtighten the fastening components. When a fastening element is overtightened, its holding strength is reduced, and it creates an entry point for moisture.



Do not use staples, clipped heads, or aluminum fastening components for installing Fiberplank products.

Cut areas must be painted with Fiberplank repair paint. These are sold together with the fiber-cement Fiberplank siding boards. Apply the paint only to the cut area, avoiding applying it to the fiber-cement siding itself. The paint is intended only for cut or damaged areas, not for repainting the entire siding.