

SFIBRAL



High-performance wall panels

The right interior wall solution for every industry

FIRE
RESISTANT



A2-S1, D0

TEMPERATURE
RESISTANT



+80 / - 20

IMPACT
RESISTANT



The information is valid from **June 2023** until further notice.

www.sfibral.com

The right interior wall solution for every industry

SFIBRAL offers a premier solution for interior wall claddings. Our fiber cement core panels are of premium quality, and their surface is produced through a unique process that guarantees exceptional durability, scratch resistance, and ease of cleaning. These panels meet the current A2 fire protection requirements and are ideal for use in highly demanding environments such as hospitals, schools, and the food industry. SFIBRAL offers a wide range of decors and large panel sizes, granting excellent options for modern interior solutions.

Our panels are manufactured in Germany with a steadfast commitment to superior quality standards, guaranteeing exceptional workmanship and longevity. For those with an unwavering aspiration for excellence in their interior design undertakings, SFIBRAL serves as the ultimate solution.

**HUMIDITY
RESISTANT**



**FIRE
RESISTANT**



**TIME
RESISTANT**



**TEMPERATURE
RESISTANT**



**IMPACT
RESISTANT**



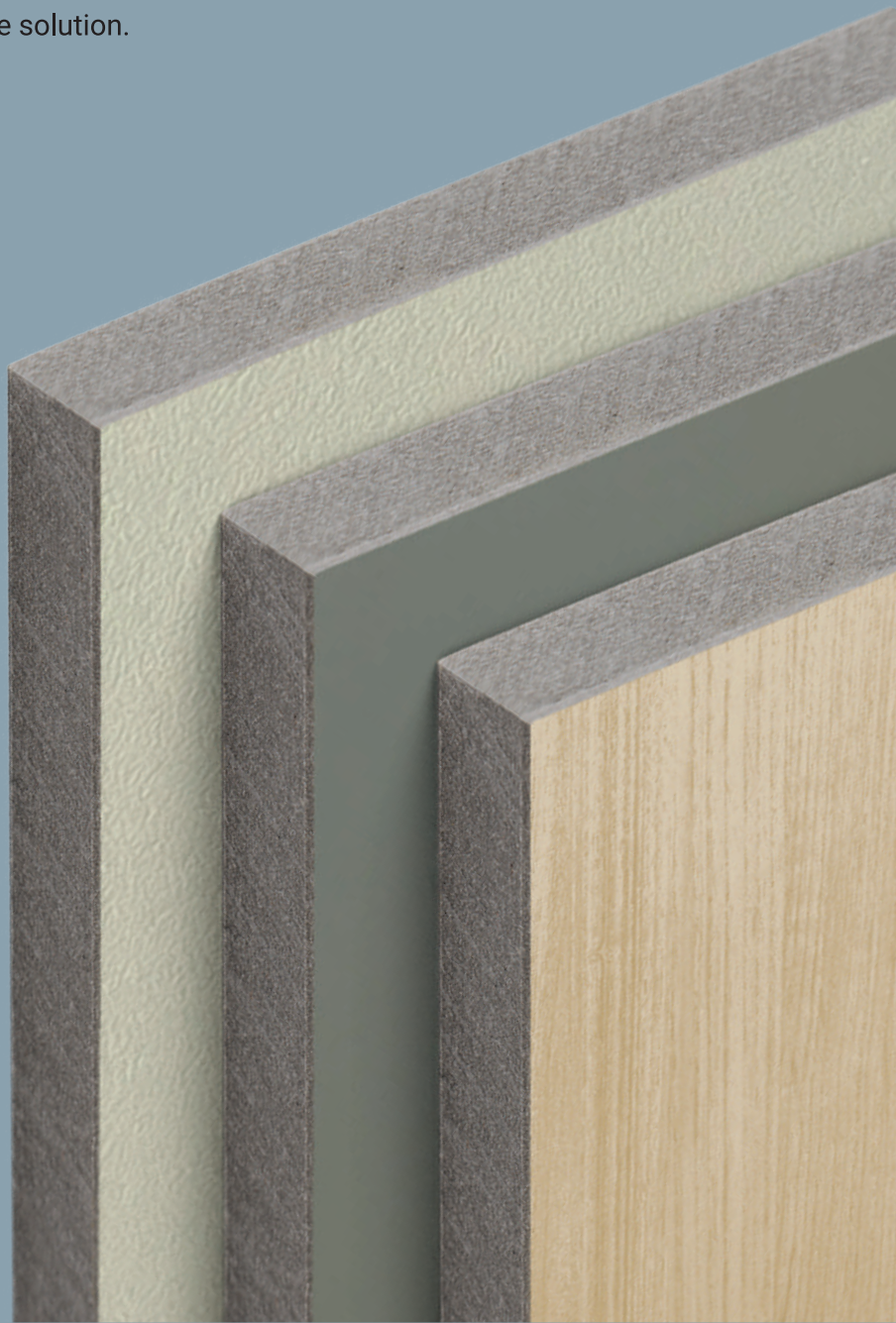
**SCRATCH
RESISTANT**



**FAST
INSTALLATION**



**NON-
ASBESTOS**



SFIBRAL wall panels

The right choice:



Educational establishments

Schools, auditoriums, sports halls, conference halls...



Interior finish and cabinetry

Private houses with special requirements, cabinetry...



Food industry

Food and beverage industry, meat, poultry, fish, fruit and vegetable processing facilities, grain mills, bakeries...



Healthcare sector

Hospitals, clinics, laboratories, retirement homes, pharmaceutical facilities, operating rooms...



Entertainment industry

Concert halls, museums, stadiums, fitness and sports facilities, cinemas, theatres, shopping complexes, and stores...



Marine interior

Cabins, shops, restaurants, kitchens, bathrooms, harbor buildings...



Public buildings and facilities

Airports, bus and train stations, community centers, libraries, courts, information centers, government buildings...



Hotel & food service industry (HORECA)

Hotels, restaurants, cafes, bars, clubs, food trucks...



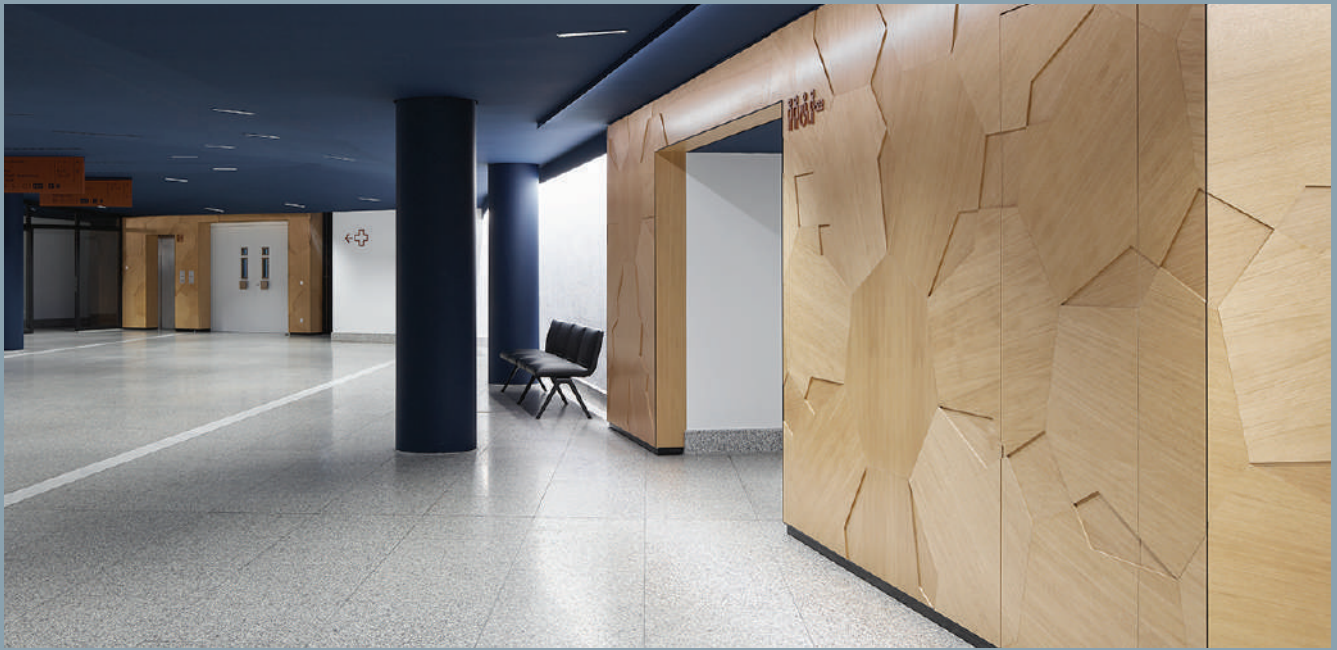
Specialized environments

Wet rooms, clean rooms...



Business & industry

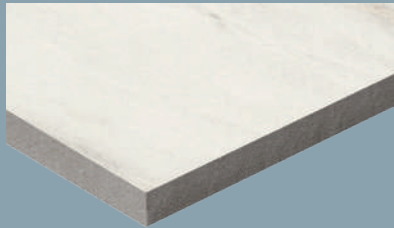
Office buildings, factories, administrative facilities, warehouses, logistic centers...



SFIBRAL wall panel surfaces

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SFIBRAL GAMA



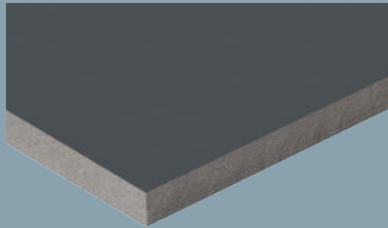
SFIBRAL GAMA mineral panel boasts high density (1900 kg/m³) and features fire micro laminate on both sides. It demonstrates exceptional durability, stability, and resistance to abrasion and regular cleaning.

The EGGER collection has a variety of decorative options, while the base panel is available in two universal color options: anthracite and white.

These panels are frequently employed as ram protection for the interior cladding of numerous facilities, including hospitals, airports, schools, sports centers, wet rooms, the food industry, and more.

The panels have been certified as **A2-s1, d0** and are non-combustible, providing maximum safety for any facility.

SFIBRAL SKALA



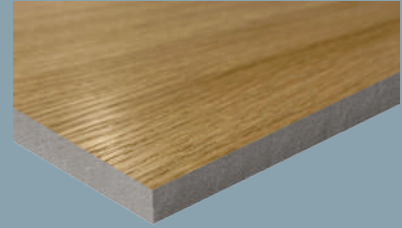
SFIBRAL SKALA is a highly durable and stable mineral panel with a high density of 1900 kg/m³ and a special ceramic coating. Its noble surface is incredibly resistant to abrasion and cleaning agents.

The SFIBRAL SKALA collection provides various decorative options, including RAL or NCS color chart choices. Digital print options are also available upon request. The base panel comes in two colors: anthracite and white.

The panels are commonly used in hospitals, operating rooms, airports, schools, sports centers, the food industry, and wet rooms.

SFIBRAL panels are non-combustible and have been certified as **A2-s1, d0**, thereby providing maximum safety for any facility.

SFIBRAL LIGNO



SFIBRAL LIGNO is a highly dense (1900 kg/m³) mineral panel with a natural wood veneer as a decorative feature.

With a wide variety of natural wood veneers to choose from, you can find the perfect style to suit your taste. The base panel is available in two color choices: anthracite and white.

These versatile panels are ideal for interior cladding in numerous settings, such as hospitals, airports, schools, sports centers, public buildings, and more.

SFIBRAL LIGNO panels are non-combustible and have been certified as **A2-s1, d0**, ensuring they meet stringent fire safety standards.

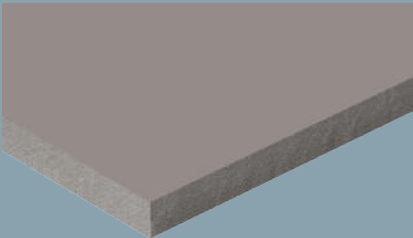
The differences between SFIBRAL wall panel surfaces

SFIBRAL’s interior panels are composed of fiber cement core and undergo a distinctive surface production process, rendering them robust, enduring, and low maintenance. Therefore, they are suitable for even the most demanding conditions.

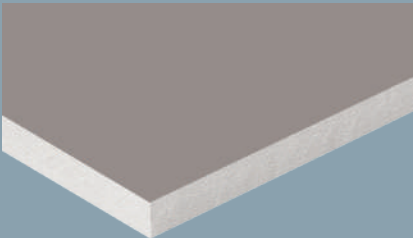
	SFIBRAL GAMA	SFIBRAL SKALA	SFIBRAL LIGNO
Scratch resistant EN 438-2:2016 ISO 4586-2.14	✓	✓	—
Impact resistant/ Brinell hardness EN ISO 650-1	✓	✓	—
Frost and heat resistant From +80°c to -20°c	✓	✓	✓
Cleaning and Chemical resistant ISO 19712 EN ISO 12720:1997	✓	✓	—
Fixing by glue or mechanic	✓	✓	✓
Food grade applications	✓	✓	✓
Suitable for ram protection	✓	✓	—
Easy to install Easy to clean	✓	✓	✓
Abrasion resistant EN 13310-2003	✓	✓	—

Core color

Dark core

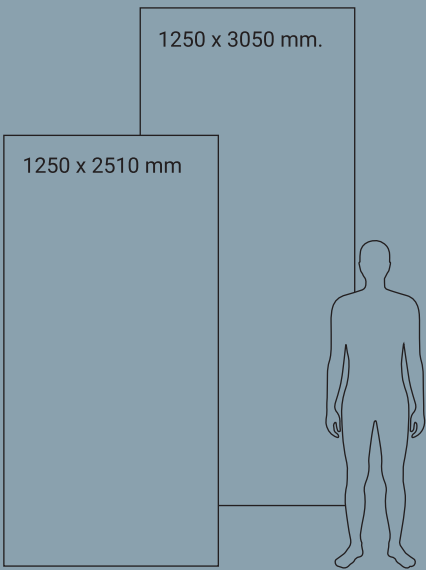


White core



SFIBRAL is a mineral fiber cement panel manufactured in Germany, possessing a high density of 1900 kg/m³. The panels are available with a dark or light core and are then coated with a fire micro laminate, ceramic coating, or real wood veneer to provide a sleek finish.

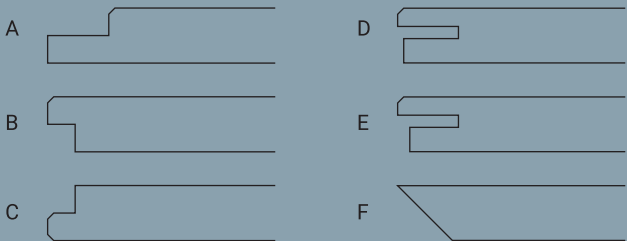
Standard sizes



Thickness

4 mm	<div></div>
7 mm	<div></div>
9 mm	<div></div>

Standard edges



Density

1900 ± 50 kg/m³

How to Choose Fixing:

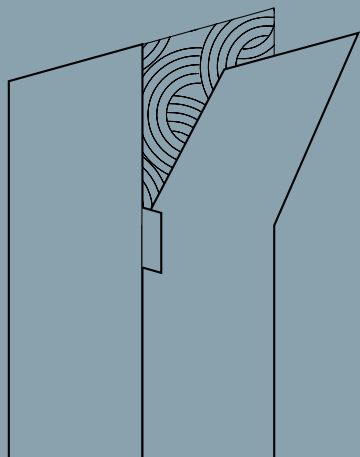
Choosing the right fixing method for your interior panels is crucial for ensuring their longevity and durability. It can be difficult to know which method is best suited for your project. On this page, we will explore the various fixing methods available and provide you with the information you need to make an informed decision.

Description/ product	4 mm	7 mm	9 mm
Fully covered surface of Glue	X	X	
Glued by Strips of Glue	X	X	
Product suitable for correction of wall		X	X
Fixed with Visible/Hidden Fixing		X	X
Invisible mechanical fixing			X

Description:

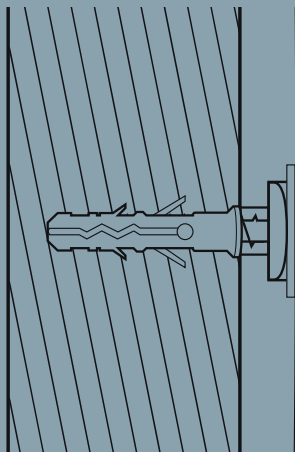
Glued

This solution is bonding the panel directly to the existing wall construction with no visible glue, need to secure sealing all edges



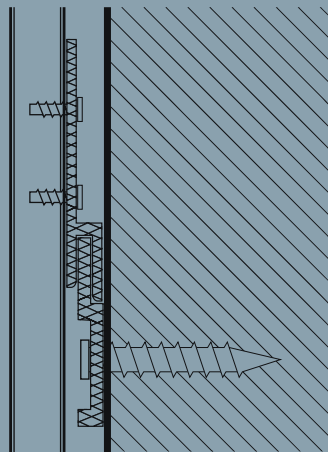
Visible/Hidden

This solution offers fixing from the front with an additional cap or filled cover of the screw.



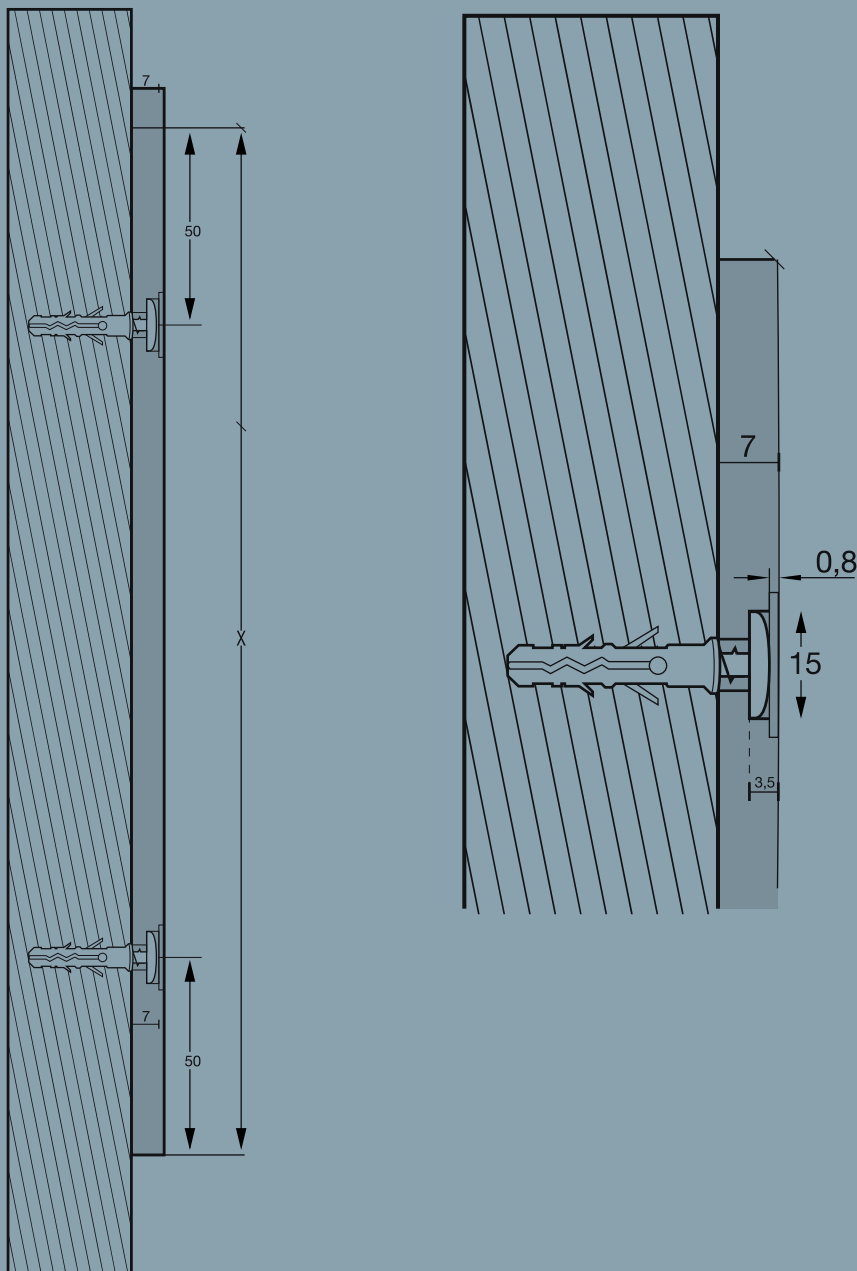
Invisible

This is a Mechanical fixing not visible from the front as hinges on the panel is fixed on profiles mounted on the wall.



Fixing with Visible but covered fixings

Fixing with visible but covered fixings is a method that is used to fix panels on the substructure. This method involves using screws that are visible on the surface of the panel but are covered by a cap or cover plate. This provides a clean and seamless look while still allowing for easy access to the panel if needed. The Cap is made of the same decor giving a optimal fit and cover.

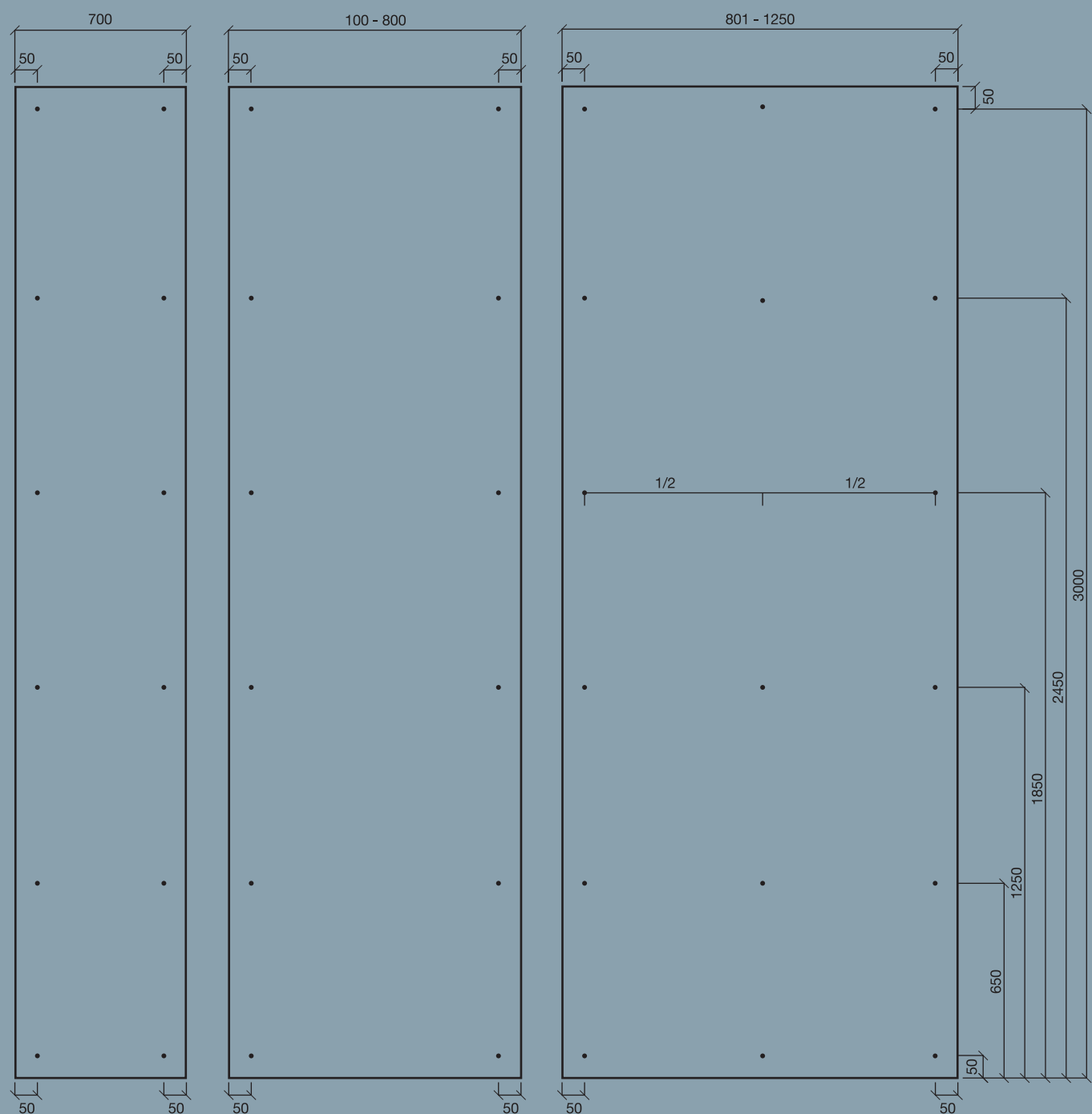


There are 2 solutions connected with this solution. The first will require the preparation of all the holes for the fixing on CNC machinery and on-site fixing to the surface as the requirement to cover with a cap is only achievable like that. The Second method with visible fixings the plates can be fixed directly on-site just drilling a hole through and leave the fixing visible.

Fixing with Visible but covered fixings

To calculate the number of fixings required for your panels, you will need to consider a number of factors including the size and weight of the panel, the type of fixing method being used. In general, it is recommended that the fixing is 50mm from the edges and a max distance between them of 700mm.

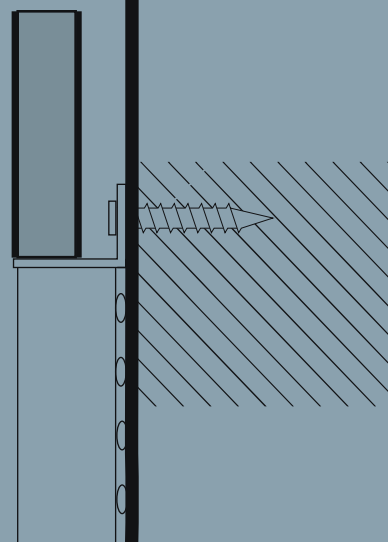
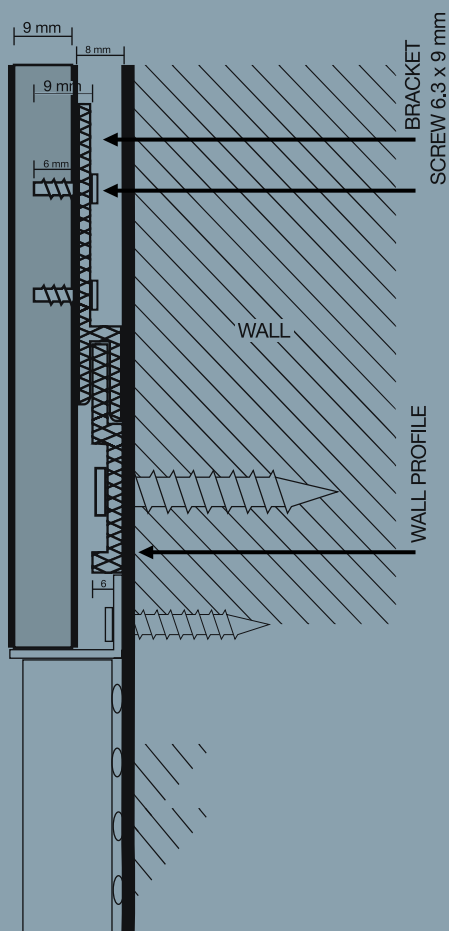
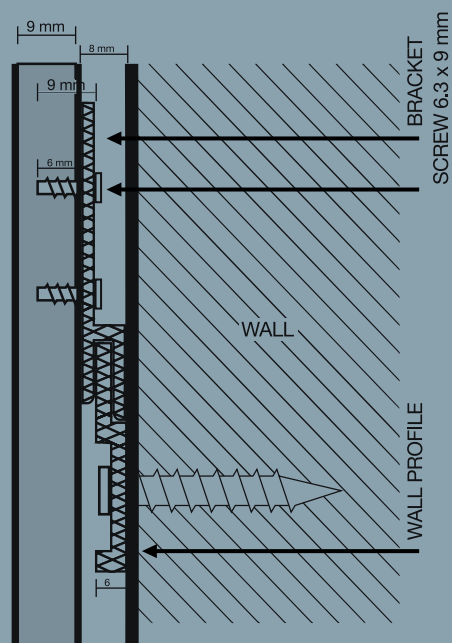
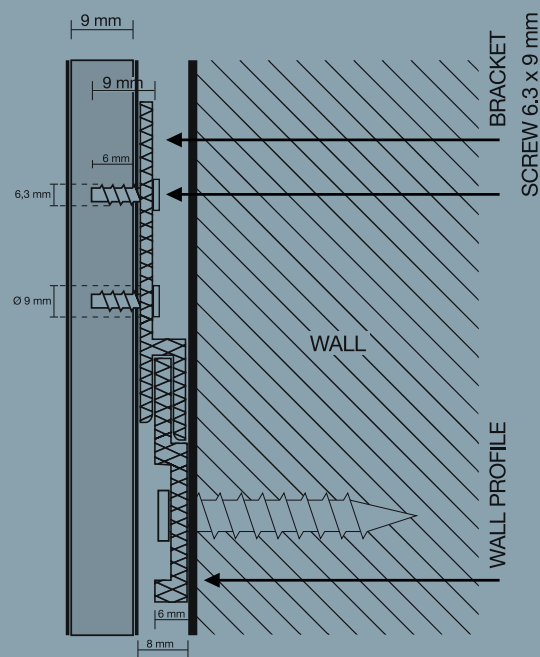
For more detailed calculations, you may want to consult with a structural engineer or contact us with the project.



The scheme contains the rules for fixing the panel to the frame, the minimum distances between the fixing points, the minimum distances from the edge of the panel.

Fixing with Invisible Fixing

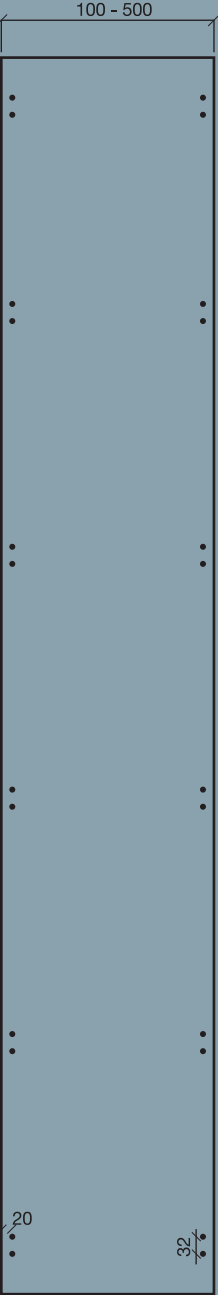
Fixing with invisible fixings using brackets and profiles which is a popular method for securing interior panels without visible fixings. This method involves using brackets and profiles that are hidden behind the panel to provide a clean and seamless look.



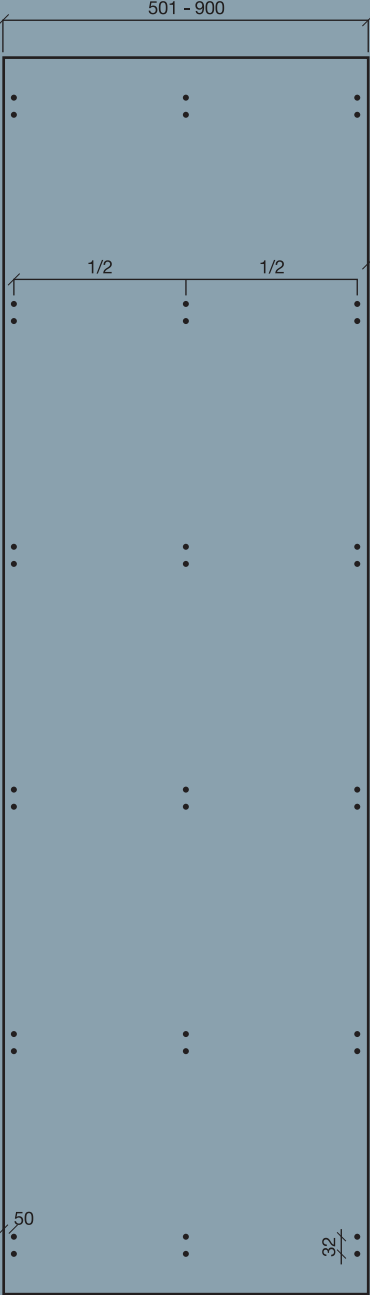
Fixing with Invisible Fixing

The scheme contains the rules for fixing the panel to the frame, the minimum distances between the fixing points, the minimum distances from the edge of the panel. The frame uses a system of hidden profiles and brackets fixed with furniture screws.

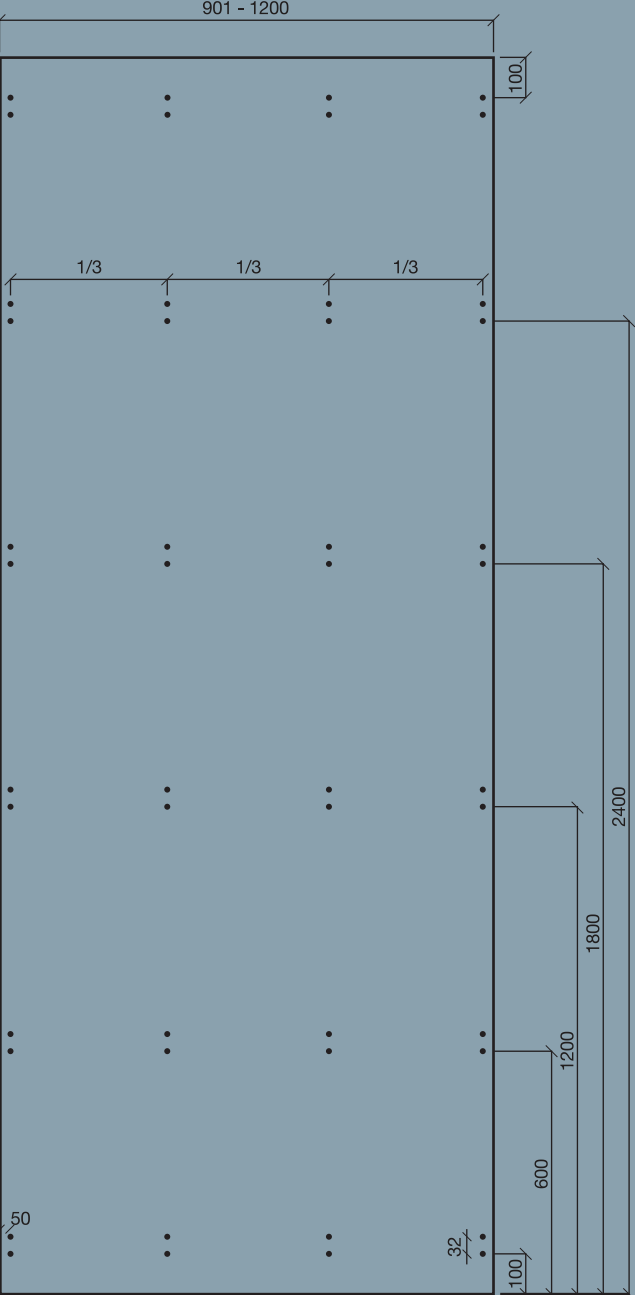
2 fixing rows



3 fixing rows

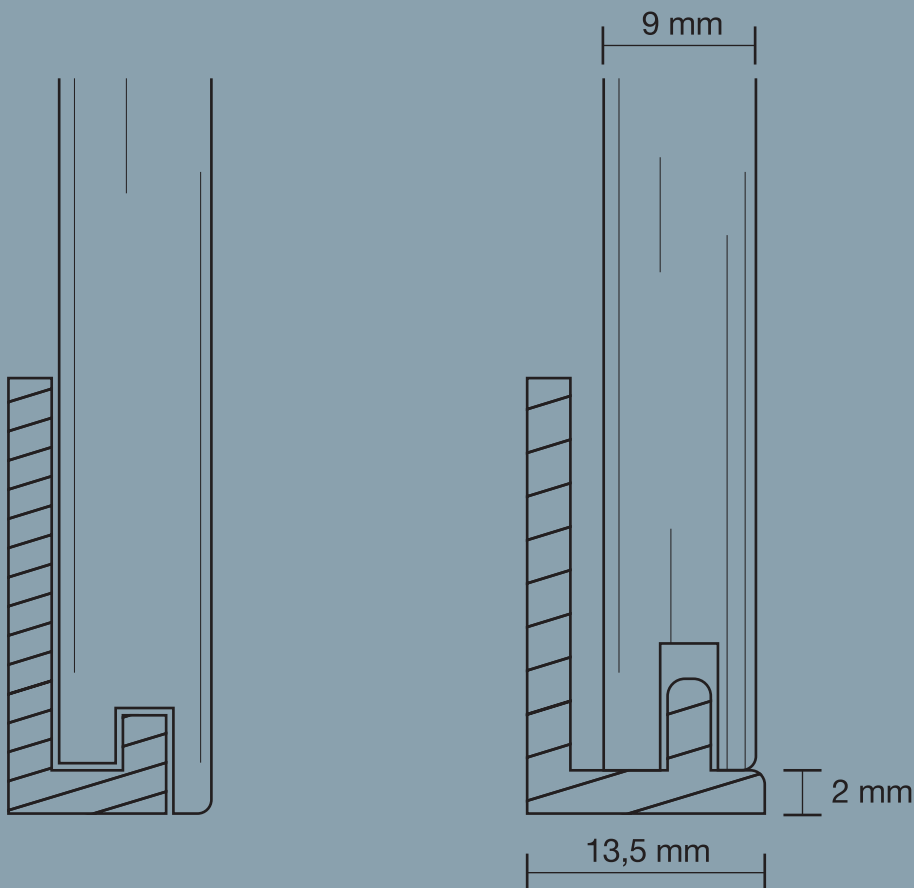


4 fixing rows



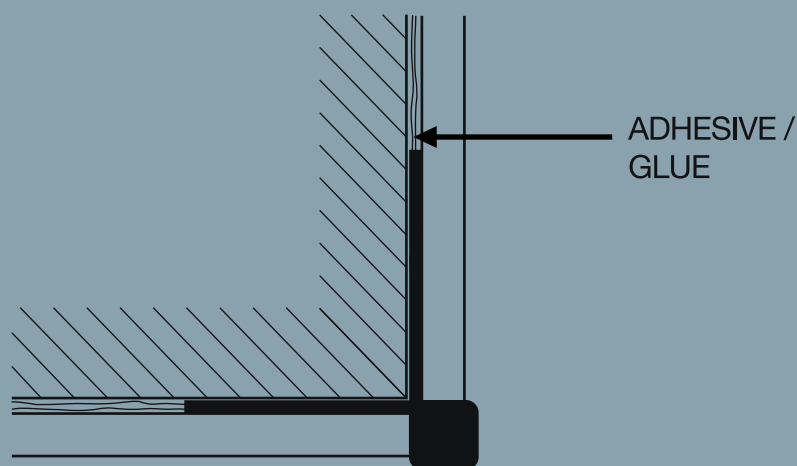
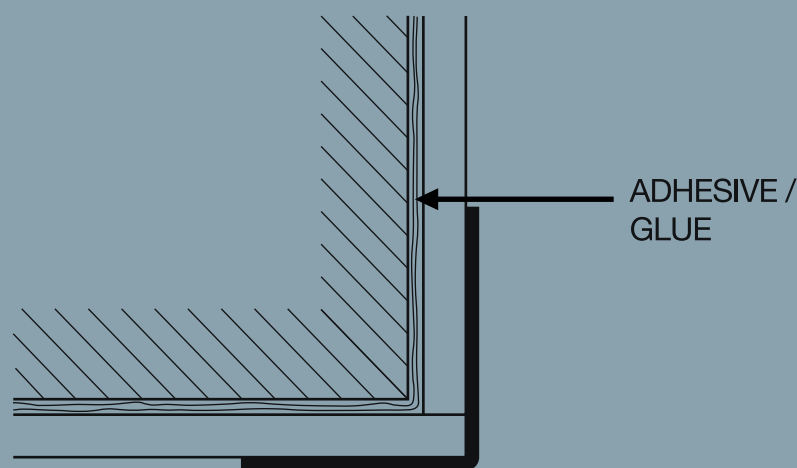
Profiles

Bottom profiles on interior panels are used to provide additional support and stability to the panel. These profiles are typically made of Aluminum or metal and are attached to the bottom of the substructure using screws. The profiles help to distribute the weight of the panel more evenly across the surface it is attached to, which can help prevent damage or warping over time and has to be leveled and straight.



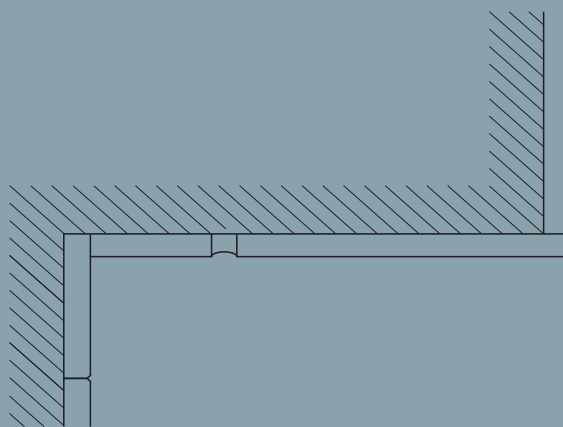
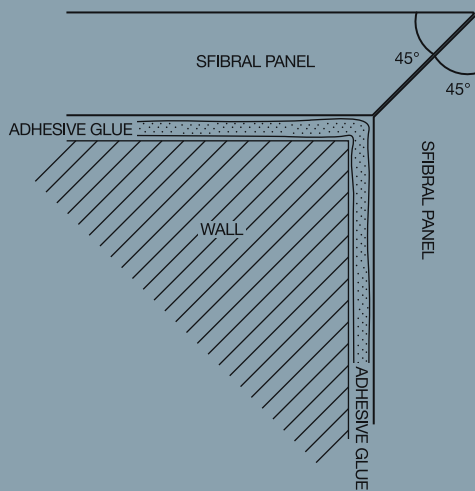
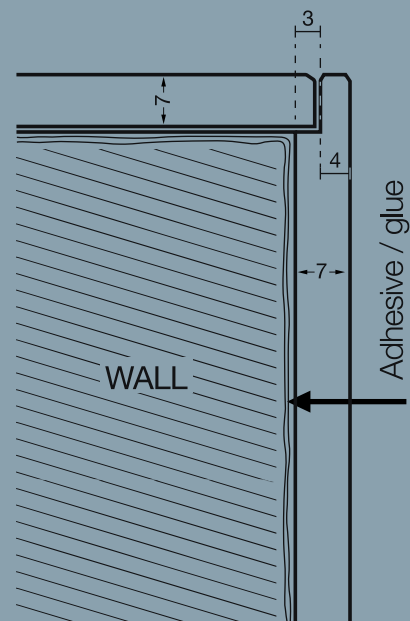
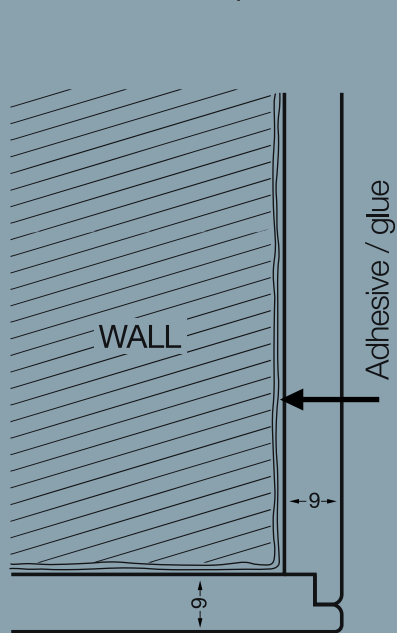
Corner profiles

Corner profiles of interior panels are used to join two walls, providing strength against impact and damage, allowing for easy cleaning of the corner and offering highly aesthetic results. These profiles come in various materials such as stainless steel and aluminum in numerous colors and finishes.



Edges

Choosing the right edge for your interior panel is important because it can affect the overall look and feel of your space. There are many different types of edge finishes available. The right edge finish can help to create a clean and polished look that complements the design.



SFIBRAL GAMA

SFIBRAL GAMA is a high density non combustible fiber cement wall panel with fire micro laminate as top layer.

200 decors in mono colors, wood and other decors available.

Version: January 2023.

Properties	Standard	Unit	GAMA 4	GAMA 7	GAMA 9
Nominal thickness		mm	4 mm	7 mm	9 mm
Standard sizes (trimmed)		mm	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250
Density		kg / m³	1900 ± 50	1900 ± 50	1900 ± 50
Tolerance thickness		mm	± 0,2	± 0,2	± 0,2
Tolerance lenght		mm	± 5	± 5	± 5
Tolerance width		mm	± 4	± 4	± 4
Fire behavior	DIN EN 13501-1		A2,s1,d0	A2,s1,d0	A2,s1,d0
Elasticity modulus		N / mm²	≥ 12.000	≥14.700	≥15.600
Tensile bending strenght		Mpa	≥ 45	≥ 51	≥ 58
Fmax		N	111	480	565
Expansion		%	0,58	0,6	0,62
Brinell hardness	EN ISO 650-1	HBW 6,25/3,18	99,5	99,5	99,5
Falling ball test	EN 438-T2	mm	2	2	2
Scratch resistance	EN 438-2:2016	N	3	3	3
Abrasion resistance	EN 438-2:2016	Rotation	≥ 150	≥ 150	≥ 150
Resistance against dry heat	EN 438-2:2005	Grade	4	4	4
Resistance against watter vapour	EN 438-2:2005	Grade	4	4	4
Adhesion	DIN EN ISO 4624	N/mm²	1,29	1,29	1,29
Resistance against impact of health sector equipment	DIN 13411:1999-02	---	OK according standard	OK according standard	OK according standard

Resistance to chemicals

Bose Sterillium	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Terralin Protect	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Sensiva hand disinfection	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor concentrate	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 8g / 100g water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 10mg / 1 Ltr. Water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5

This data sheet has been prepared to the best of our knowledge and corresponds to our state of knowledge at the above-mentioned date of publication. All data and information are based on tests carried out by ourselves or commissioned by our suppliers. All data are of a purely informative nature and do not represent any assurance of specific product properties. The suitability of the product described must be checked on your own responsibility or in consultation with our application engineering department. We also reserve the right to make technical changes that may affect the data described. The up-to-dateness of the available data is to be enquired about if necessary.

SFIBRAL SKALA

SFIBRAL SKALA is a high density non combustibile fiber cement wall panel with a special ceramic coating as top layer.

Mainly used at hospitals, laboratories and public buildings.

Version: January 2023.

Properties	Standard	Unit	SKALA 4	SKALA 7	SKALA 9
Nominal thickness		mm	4 mm	7 mm	9 mm
Standard sizes (trimmed)		mm	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250
Density		kg / m³	1900 ± 50	1900 ± 50	1900 ± 50
Tolerance thickness		mm	± 0,2	± 0,2	± 0,2
Tolerance lenght		mm	± 5	± 5	± 5
Tolerance width		mm	± 4	± 4	± 4
Fire behavior	DIN EN 13501-1	im Verbund	A2,s1,d0	A2,s1,d0	A2,s1,d0
Elasticity modulus		N / mm²	≥ 12.000	≥14.700	≥15.600
Tensile bending strenght		Mpa	≥ 45	≥ 51	≥ 58
Fmax		N	111	480	565
Expansion		%	0,58	0,6	0,62
Brinell hardness	EN ISO 650-1	HBW 6,25/3,18	99,5	99,5	99,5
Falling ball test	EN 438-T2	mm	2	2	2
Scratch resistance	EN 438-2:2016	N	9	9	9
Abrasion resistance	EN13310-2003	mg	Δm-48 mg	Δm-48 mg	Δm-48 mg
Adhesion	DIN EN ISO 4624	N/mm²	1,29	1,29	1,29
Resistance against impact of health sector equipment	DIN 13411:1999-02	---	OK according standard	OK according standard	OK according standard

Resistance to chemicals

Bose Sterillium	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Terralin Protect	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Sensiva hand disinfection	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor concentrate	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 8g / 100g water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 10mg / 1 Ltr. Water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5

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SFIBRAL LIGNO

SFIBRAL LIGNO is a high density non combustibile fiber cement wall panel with natural wood veneer as top layer.

Version: January 2023.

Properties	Standard	Unit	LIGNO 4	LIGNO 7	LIGNO 9
Nominal thickness		mm	4 mm	7 mm	9 mm
		mm	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250
Standard sizes (trimmed)					
Density		kg / m³	1900 ± 50	1900 ± 50	1900 ± 50
Tolerance thickness		mm	± 0,2	± 0,2	± 0,2
Tolerance lenght		mm	± 5	± 5	± 5
Tolerance width		mm	± 4	± 4	± 4
Fire behavior	DIN EN 13501-1		A2,s1,d0	A2,s1,d0	A2,s1,d0
			11.500 - 12.500	13.700 - 14.800	14.900 - 15.800
Elasticity modulus		N / mm²			
Tensile bending strenght		Mpa	≥ 47	≥ 54	≥ 61
Fmax		N	113	483	568
Expansion		%	0,58	0,61	0,63
Brinell hardness	EN ISO 650-1	HBW 6,25/3,18	99,2	99,2	99,2
Falling ball test	EN 438-T2	mm	2	2	2
Adhesion	DIN EN ISO 4624	N/mm²	1,27	1,27	1,27

Classified veneers

- Oak
- Smoked oak
- Beech
- Spruce
- Fir
- Larch
- Walnut
- Cherry tree
- Maple

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SFIBRAL A1

Non-Flammable Adhesive

www.sfibral.com

Non-flammable, solvent-free 1-component industrial adhesive based on sodium silicate solution with bonding agent and mineral filler. In the event of fire, the adhesive does not release any harmful or flammable substances, does not smoke and does not drip off in a burning manner.

Technical data and properties

Building material class:	A1 according to DIN EN 13501-1 noncombustible (test certificate applied for)
Temperature resistance:	1,000 °C
Drying:	physical drying by evaporation of the water content; drying depends on room temperature and air humidity not permanently waterproof
Open time:	10 - 15 minutes dependent on temperature, air and material humidity, as well as the absorbency of the materials.
Curing:	after approx. 24 hours (+20°C)
Full curing:	approx. 1 week
Density:	approx. 1.6 g/cm ³ wet (approx. 1.3 g/cm ³ dry)
Consumption:	approx. 800 - 1.000 g/m ² depending on the surface finish
Storage:	in closed containers, protected from frost
Shelf life:	6 months
Delivery form:	ready-to-use paste-like adhesive
Sales unit:	Plastic bucket, plastic tubular bag

Processing

The surfaces to be bonded must be dry and free of dust, grease and oil.

The adhesive must be stirred well before application, please knead the hoses.

The viscosity of the adhesive depends on the temperature. The most favourable processing temperatures are between +10°C and +20°C.

Bonding and curing below +5°C is not recommended.

The adhesive is applied manually with a notched trowel. The adhesive can be applied on one side, but care must be taken to ensure optimum cross-linking of the adhesive, e.g. by rotating the parts to be bonded. No film should form on the adhesive surface before bonding.

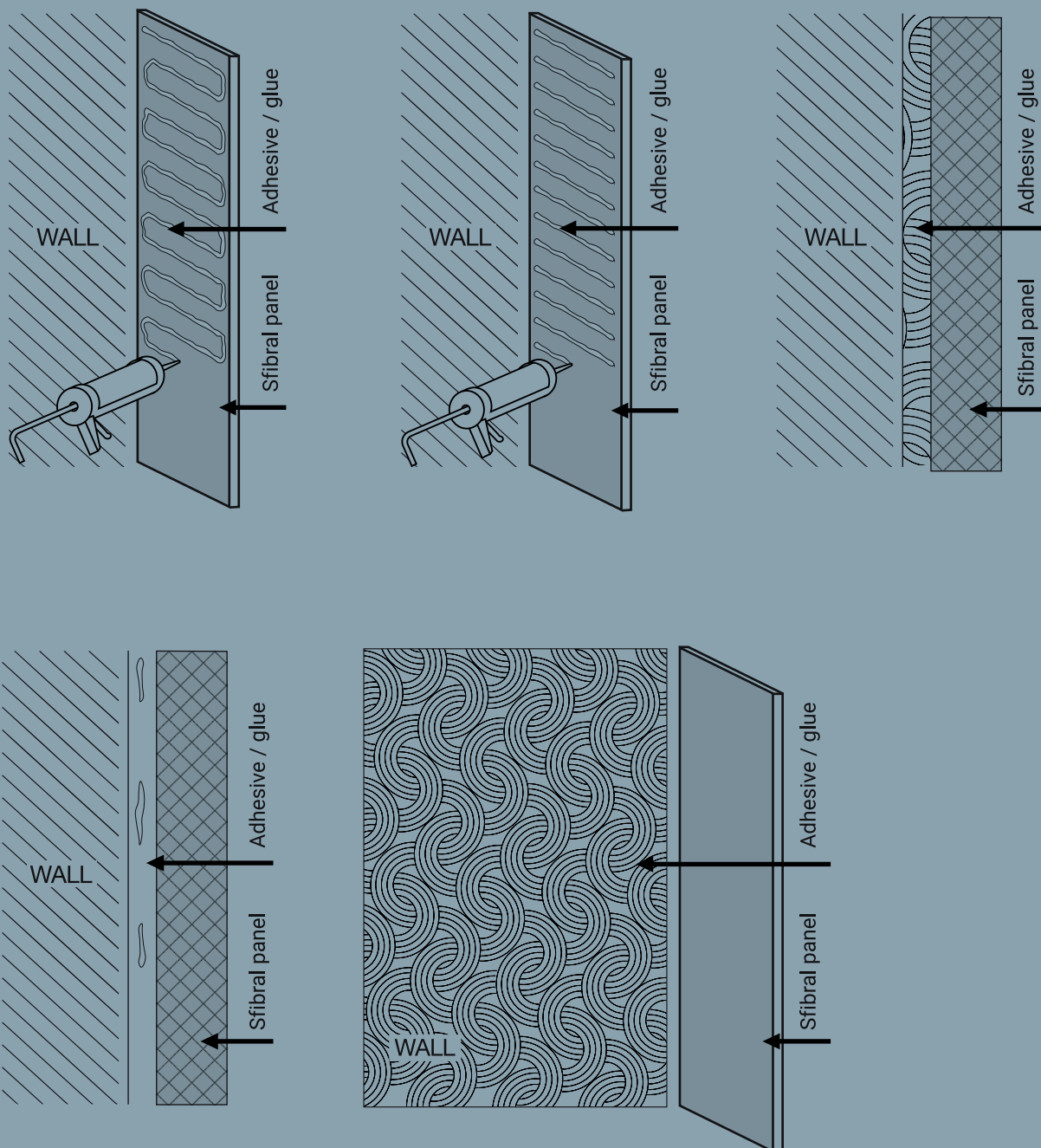
The tools used should be cleaned with water immediately after applying the adhesive.

Close opened buckets tightly and use up hoses quickly.

Standard Glue

Fully gluing or strip gluing interior panels is a common method of installation. The process involves applying adhesive to the back of the panel and then pressing it into place on the wall.

The choice can depend on regulations, norms and standards to what is allowed.

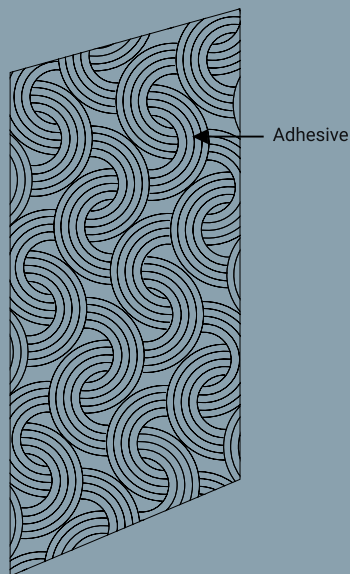


Filler application:

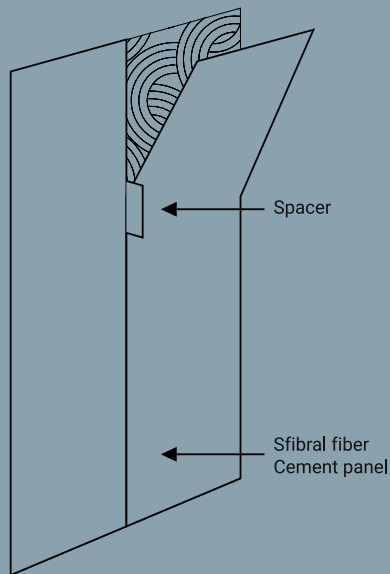
www.sfibral.com

To apply a filler between two panels, you will need to first clean the area between the two panels. Then, apply the filler using a putty knife or other similar tool. Be sure to apply enough filler to fill the gap between the two panels. Once the filler has been applied, allow it to dry completely before removing the masking tape to secure a clean and smooth finish.

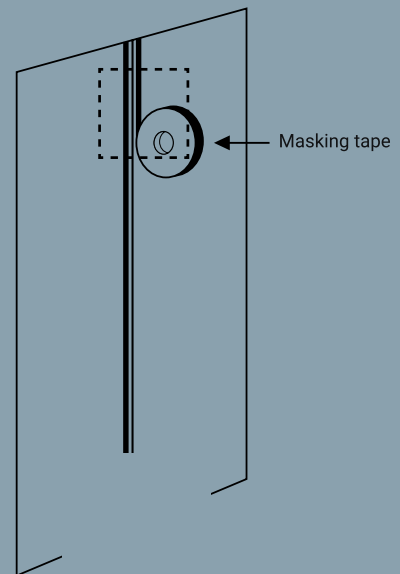
Step 1



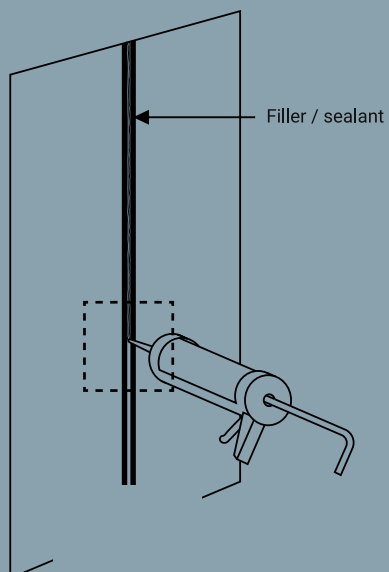
Step 2



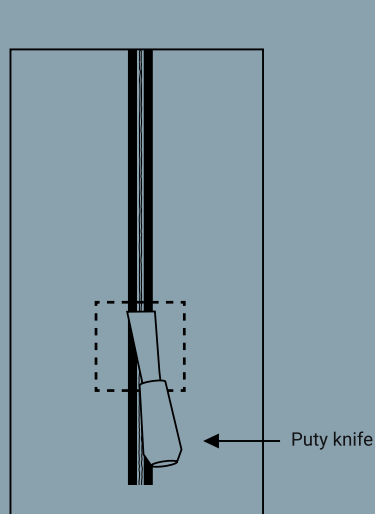
Step 3



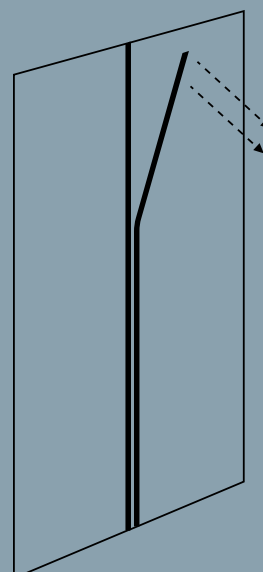
Step 4



Step 5

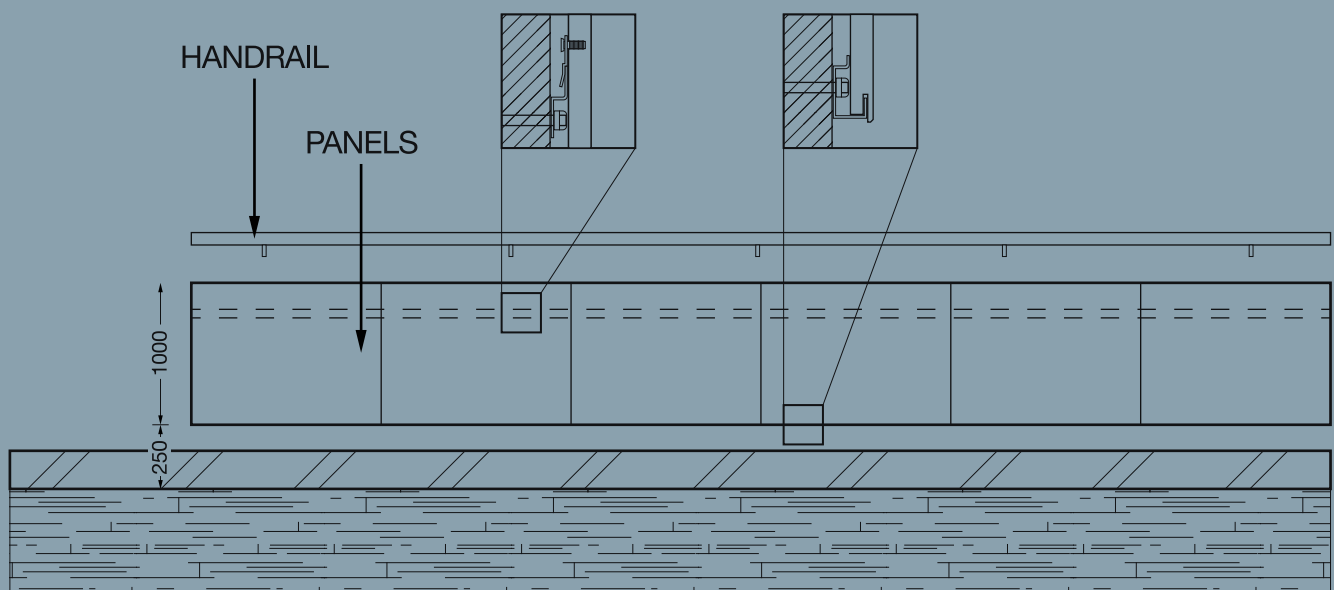
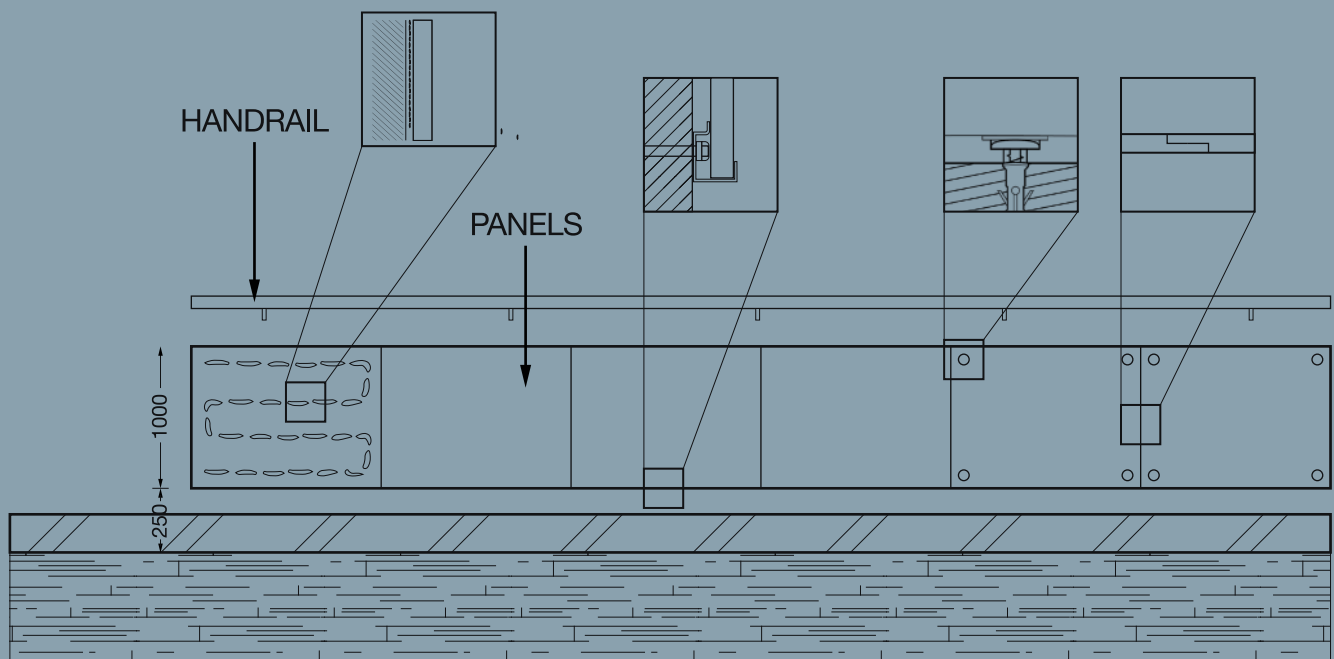


Step 6



Half wall

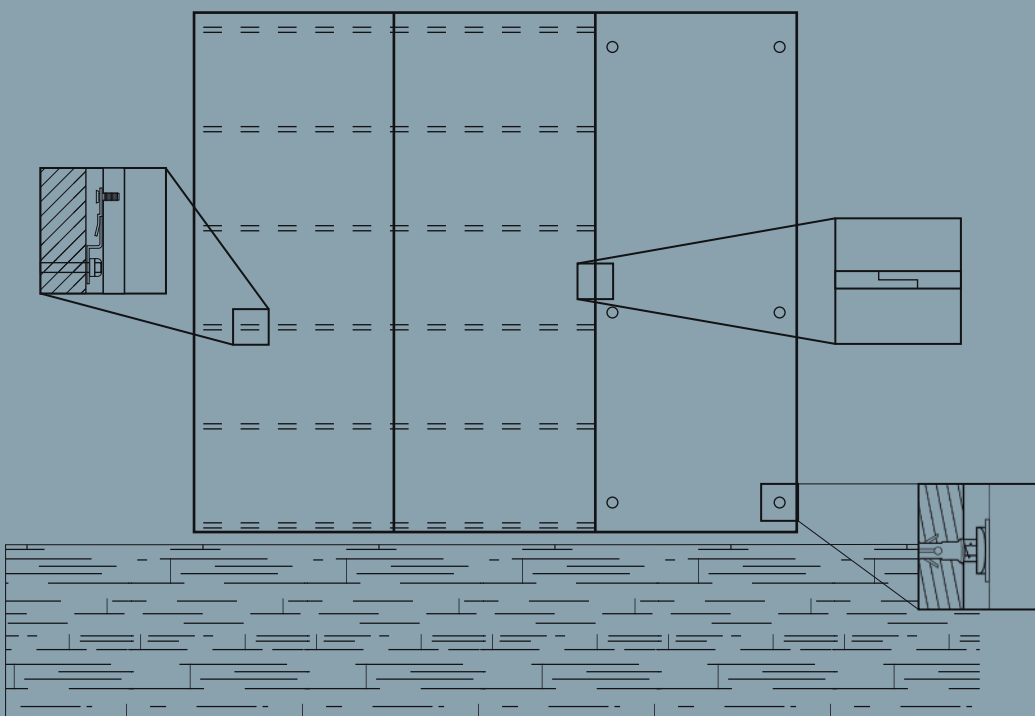
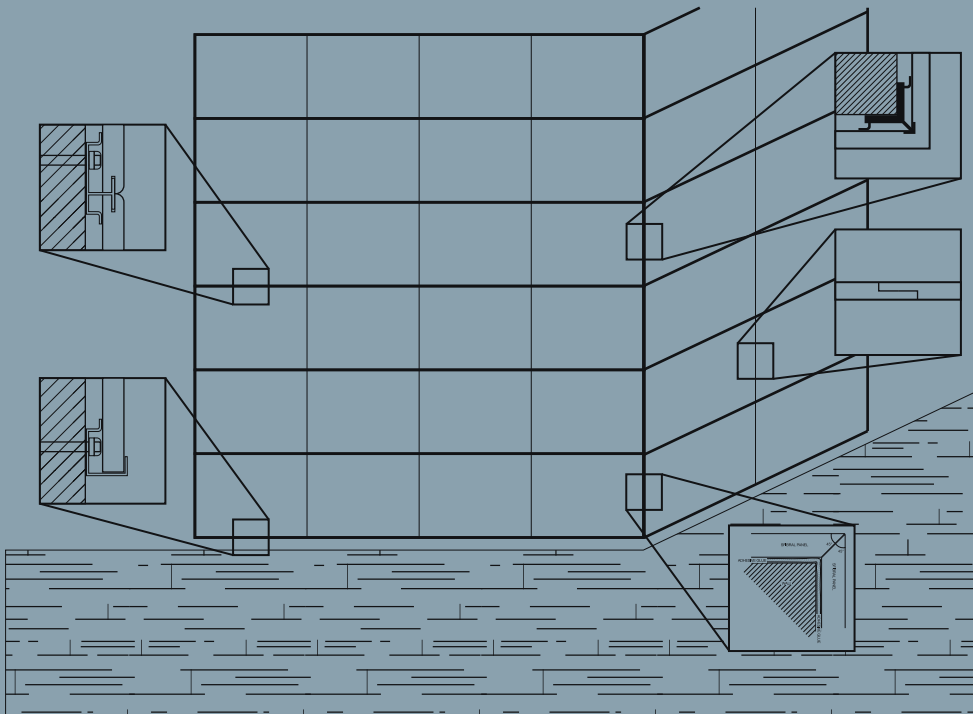
Half wall impact protection panels are designed to protect walls from damage caused by carts, gurneys, and other equipment traveling the halls of hospitals or public places like Shopping centers and others. They are made of durable materials with high impact resistance. These panels can be used in conjunction with crash rails to provide additional protection against damage caused by carts and other equipment.



Full Wall

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There are several reasons why people install full interior wall panels. Wall panels can be used to conceal uneven or unattractive surfaces and provide a durable wall covering in high-traffic areas such as hallways and staircases or where high requirements to surfaces about chemical resistance and firesafety. Wall panels are an excellent way of concealing things like pipe work or electrical wiring. They are also easy to install.



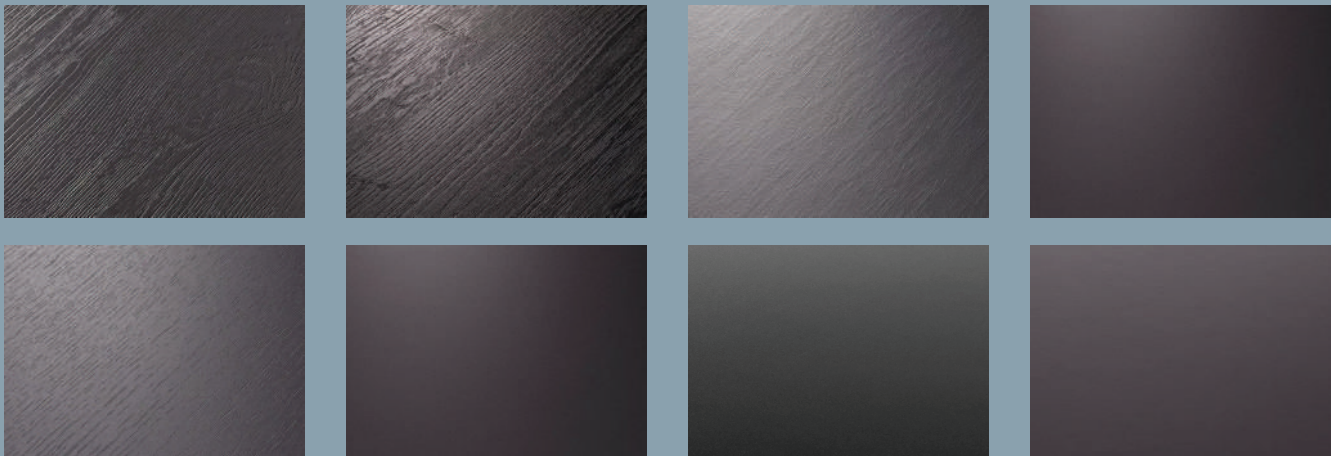
Decor examples



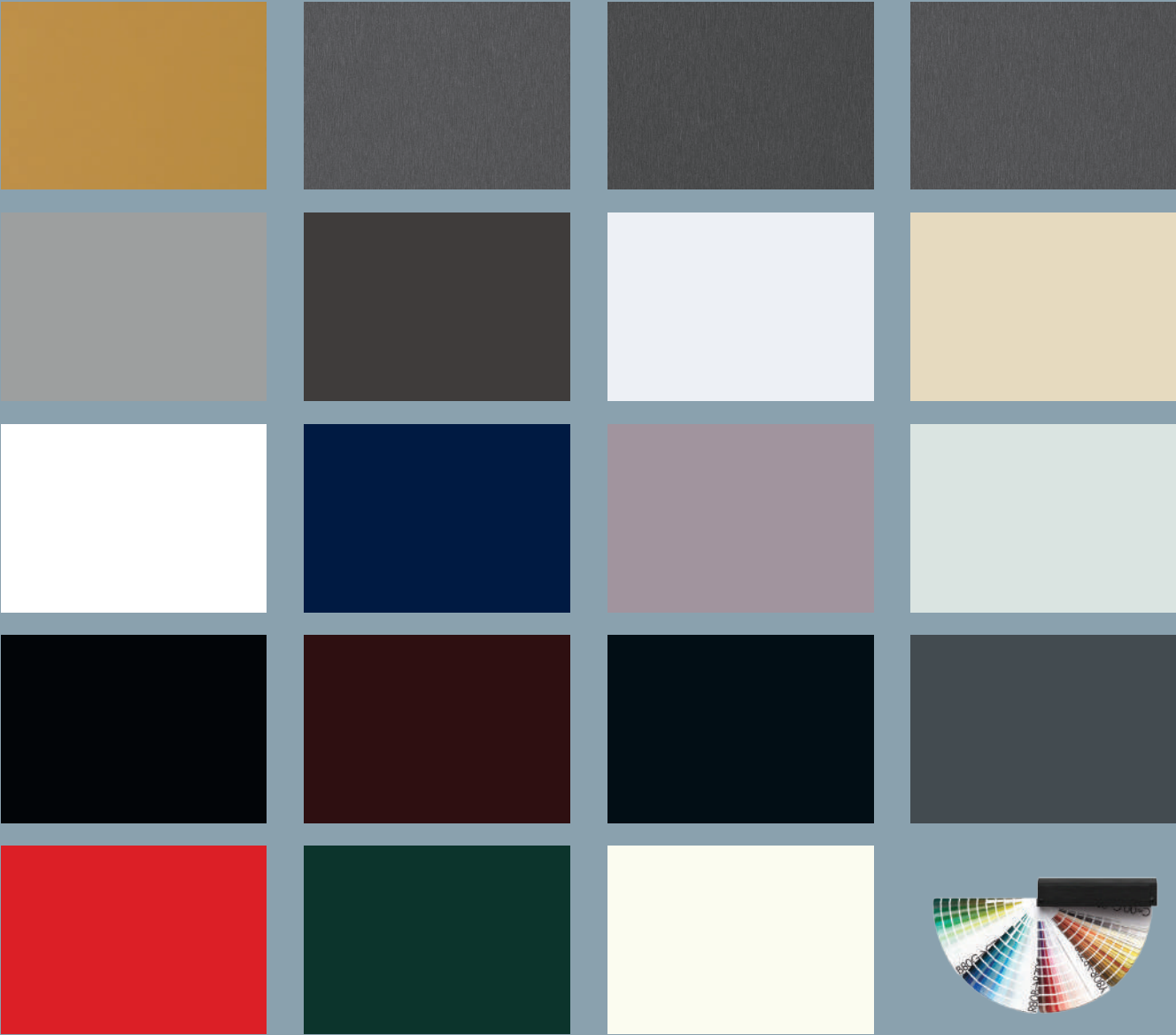
Decor examples



Surface structure examples



Decor examples



Natural wood veneers



Oak



Smoked oak



Beech



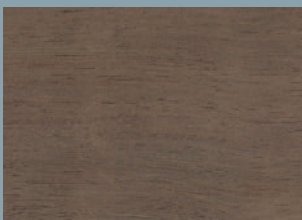
Spruce



Fir



Larch



Walnut



Cherry tree



Maple

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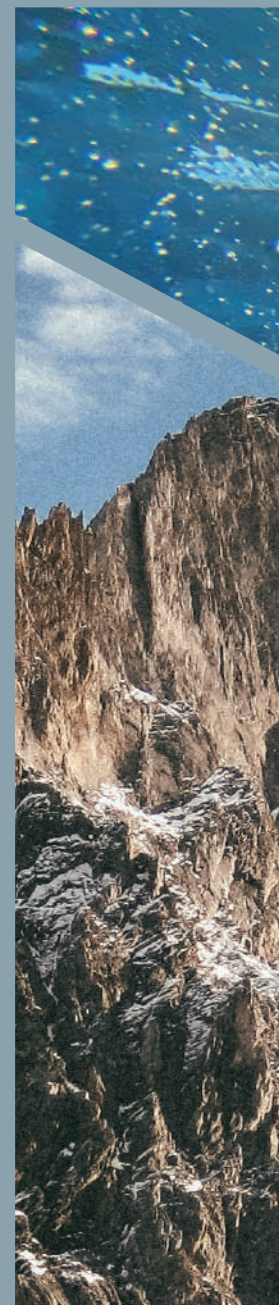
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Logistics



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