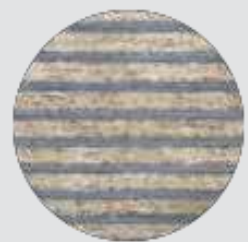




[www.r13imports.com](http://www.r13imports.com)  
Orlando FL 32832 - USA  
Phone: 407 515-7145  
[commercial@r13imports.com](mailto:commercial@r13imports.com)

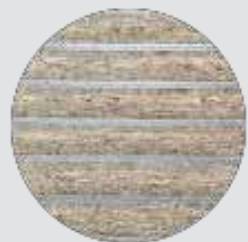
# 1. Get to know the widest range of wall panels on the market.



## 23 mm OSB

Application: residential slabs in Steel Frame, schools and projects in containers.

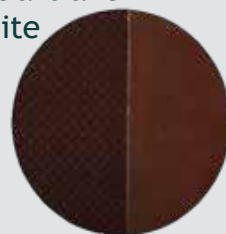
Differentials: lightness and anti-fungal and anti-termite treatment.



## 40 mm OSB

Application: residential, commercial and industrial mezzanines.

Differentials: sturdiness and anti-fungal and anti-termite treatment.



## 30 mm Phenolic

Application: portable stadium seating and storage systems.

Differentials: anti-slip surface, easy to assemble, anti-fungal and anti-termite treatment.



## 30 mm OSB

Application: movie theaters and residential mezzanines.

Differentials: versatility of applications, anti-fungal and anti-termite treatment.



## 40 mm Blockboard

Application: residential and commercial mezzanines.

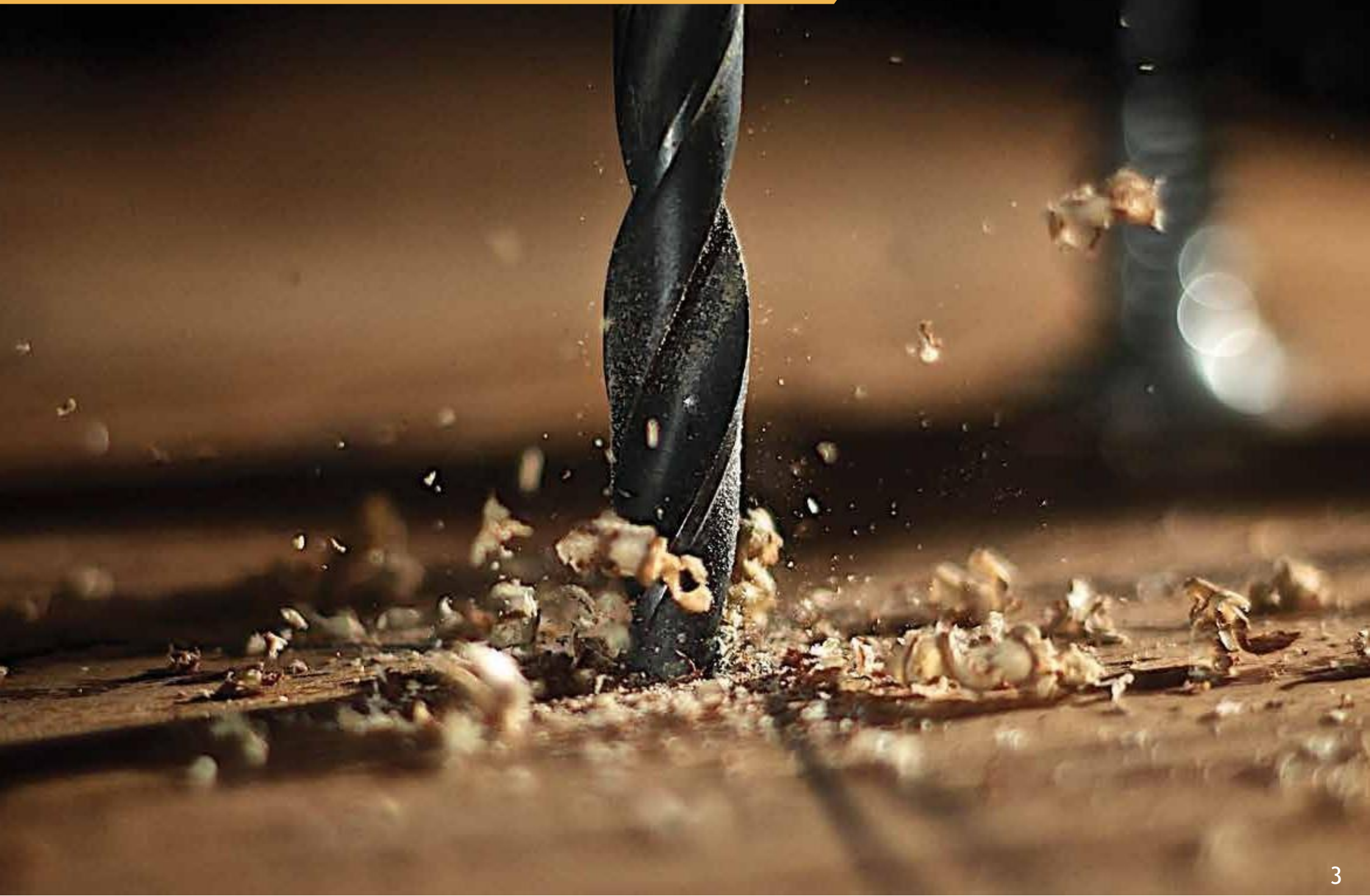
Differential: highly used version on the market.



## Technical information

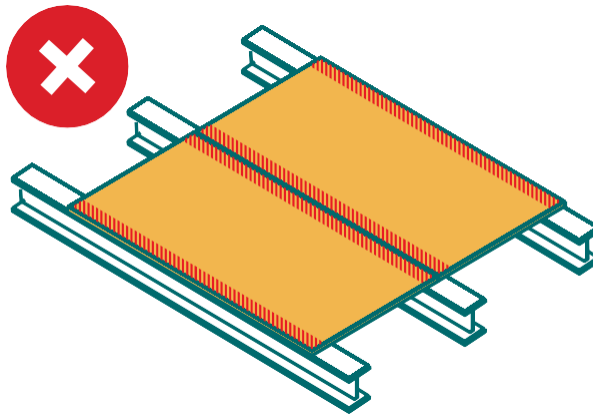
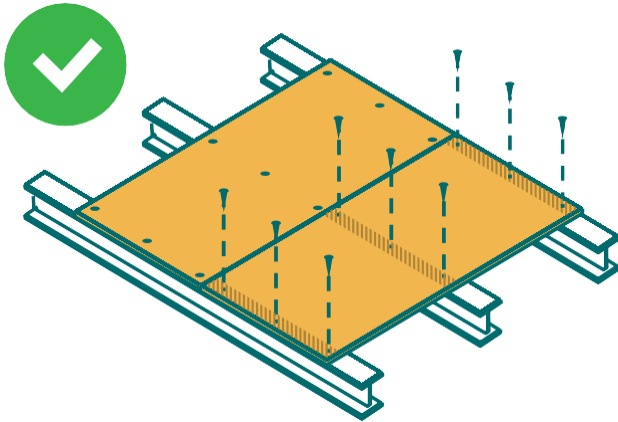
thickness	core	coating	width (m)	length (m)	weight (kg)	area (m2)	weight (kg/m2)	resistance (kg/m2)	supports per panel
23	OSB	cement	1,2	2,5	63	3	21	500	4
30	OSB	cement	1,2	2,5	74	3	24,67	500	3
30	OSB	phenolic	1,2	2,5	57	3	19	500	3
40	OSB	cement	1,2	2,5	93	3	31	500	3
40	blockboard	cement	1,2	2,5	80	3	26,67	500	3

## 2. Installation & Recommendations:



## 2.1. Fixing

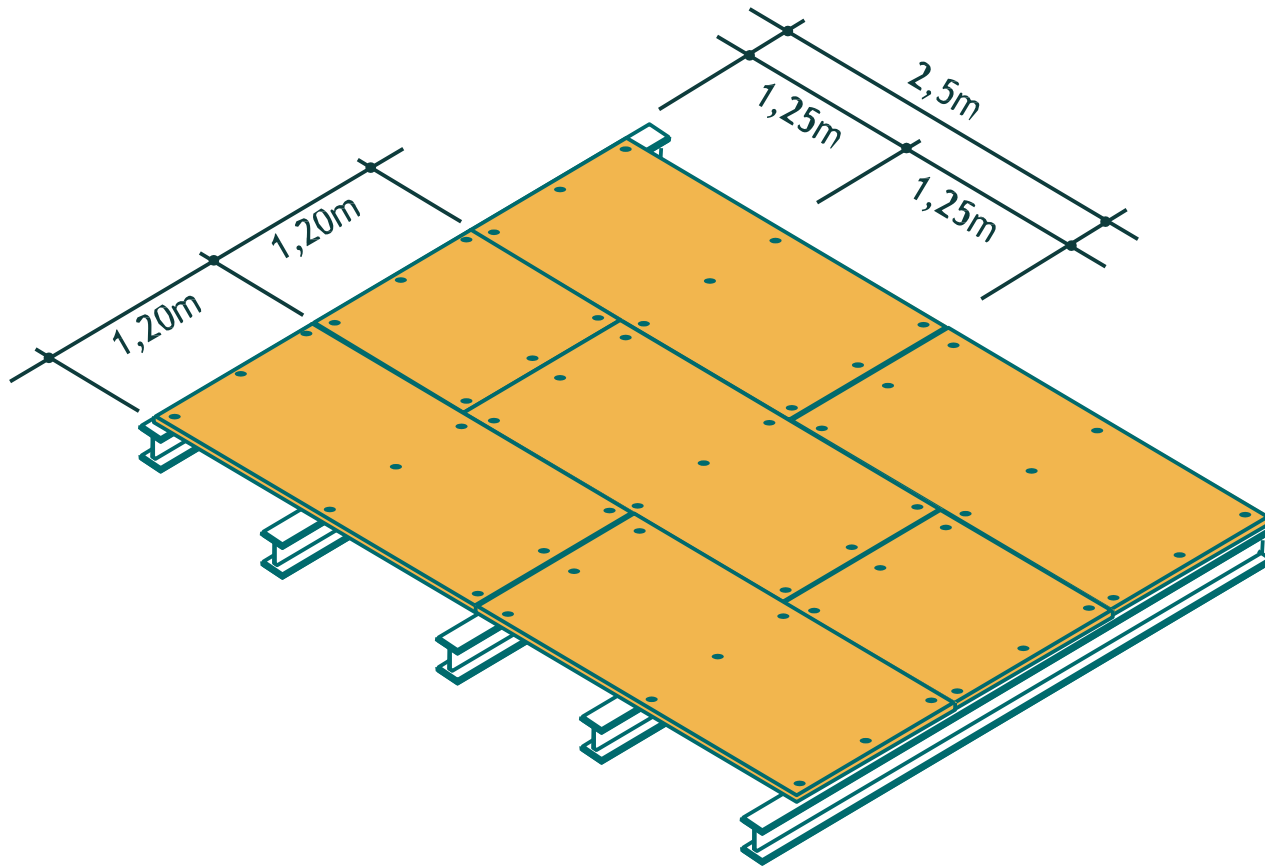
To begin, ensure that no side of the panel is wobbly. It is always necessary to have supports at the ends. The fixing of the panels must always be transverse to the direction of the supports and 9 screws per plate must be considered:



### Application in outdoor environments:

Panels should only be applied indoors. External application on floors and decks exposed to the weather as well as on external walls and eaves is not recommended.

For better locking of the structure, it is suggested a pagination with mismatched boards, represented in the following image:

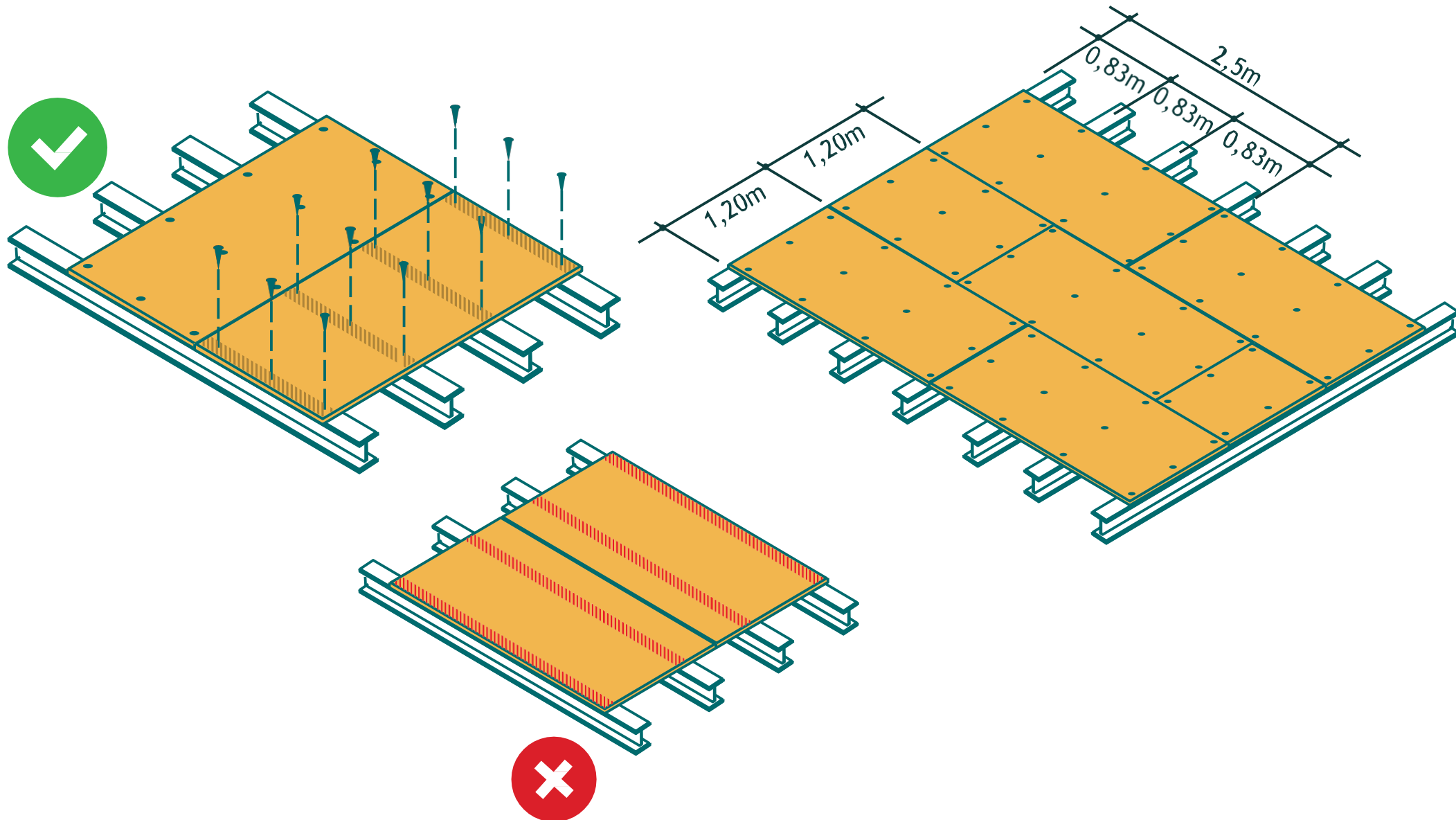


It is important to leave a 3mm expansion joint between the boards and also where it meets walls or beams and fill it with mastic.

In addition, the guidelines of the other expansion joints present in the building must be followed.



For a 23 mm thick panel, an additional support is required (4 supports per panel) and 12 screws per plate.

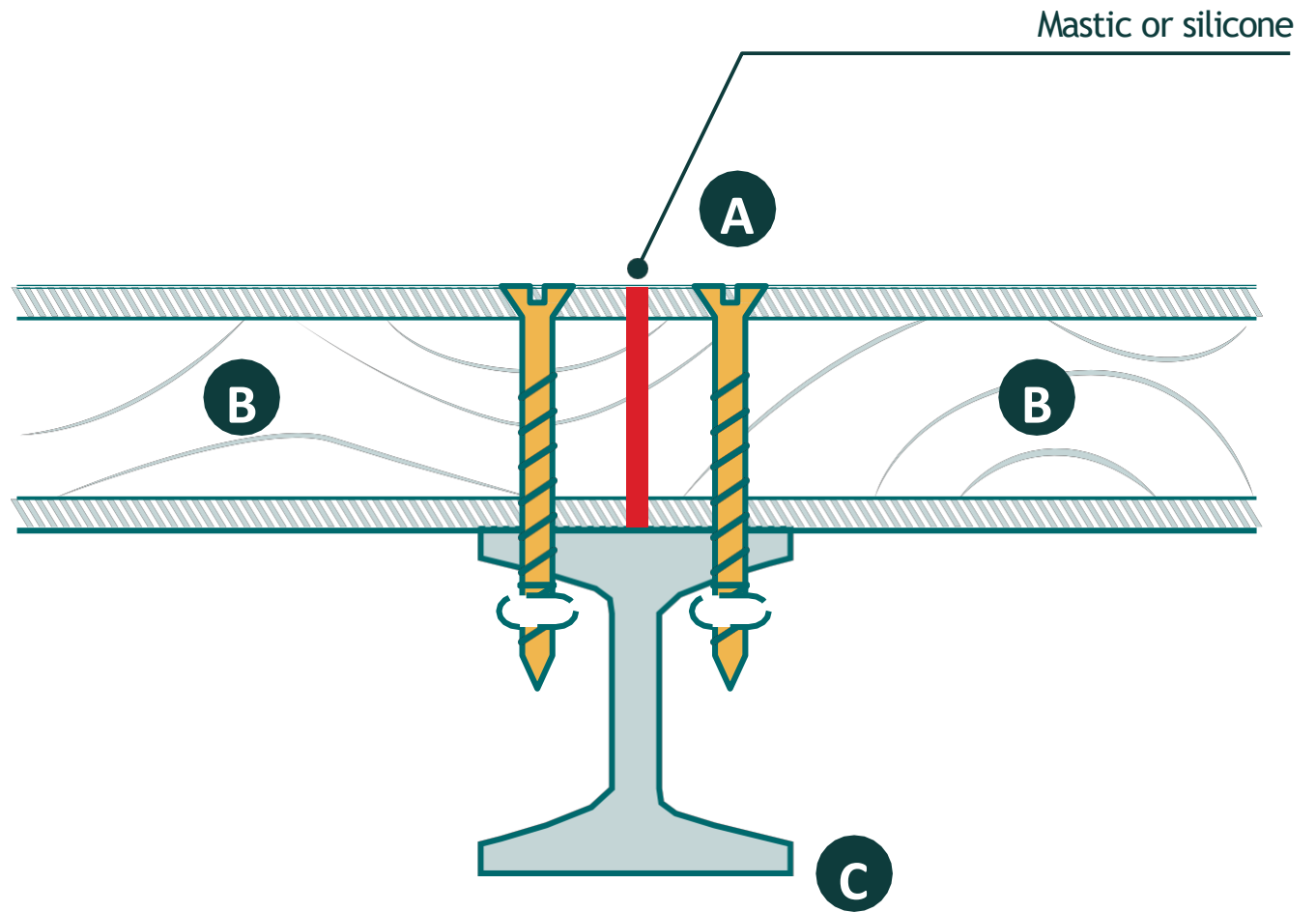


## Fixing in board profiles:

**A** Self Drilling Screw

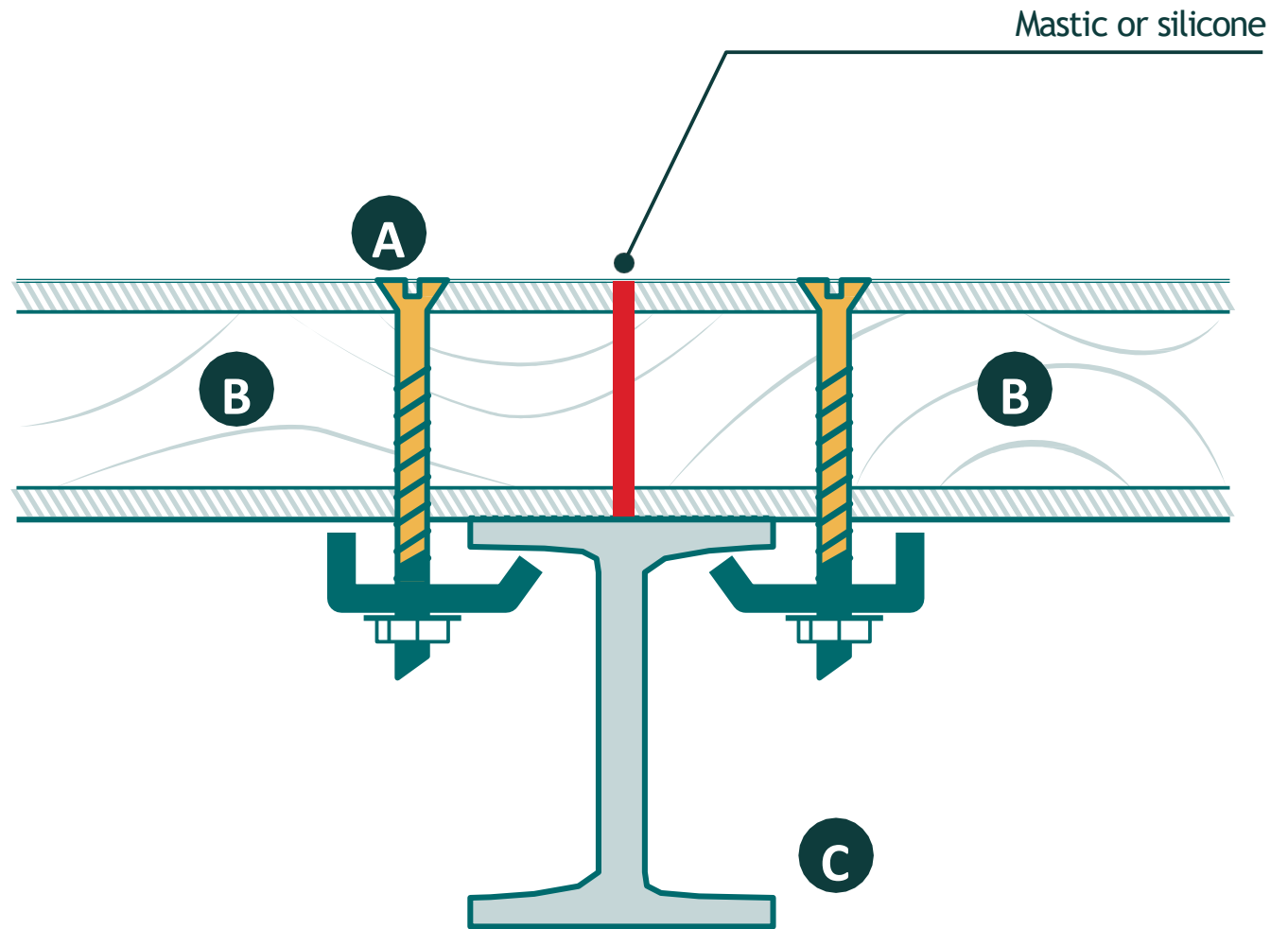
**B** Wall Panel

**C** Metallic Structure



## Fixing in “I” profile steel beams:

- A** Screw (its head must be embedded in the panel)
- B** Wall Panel
- C** Metallic Structure



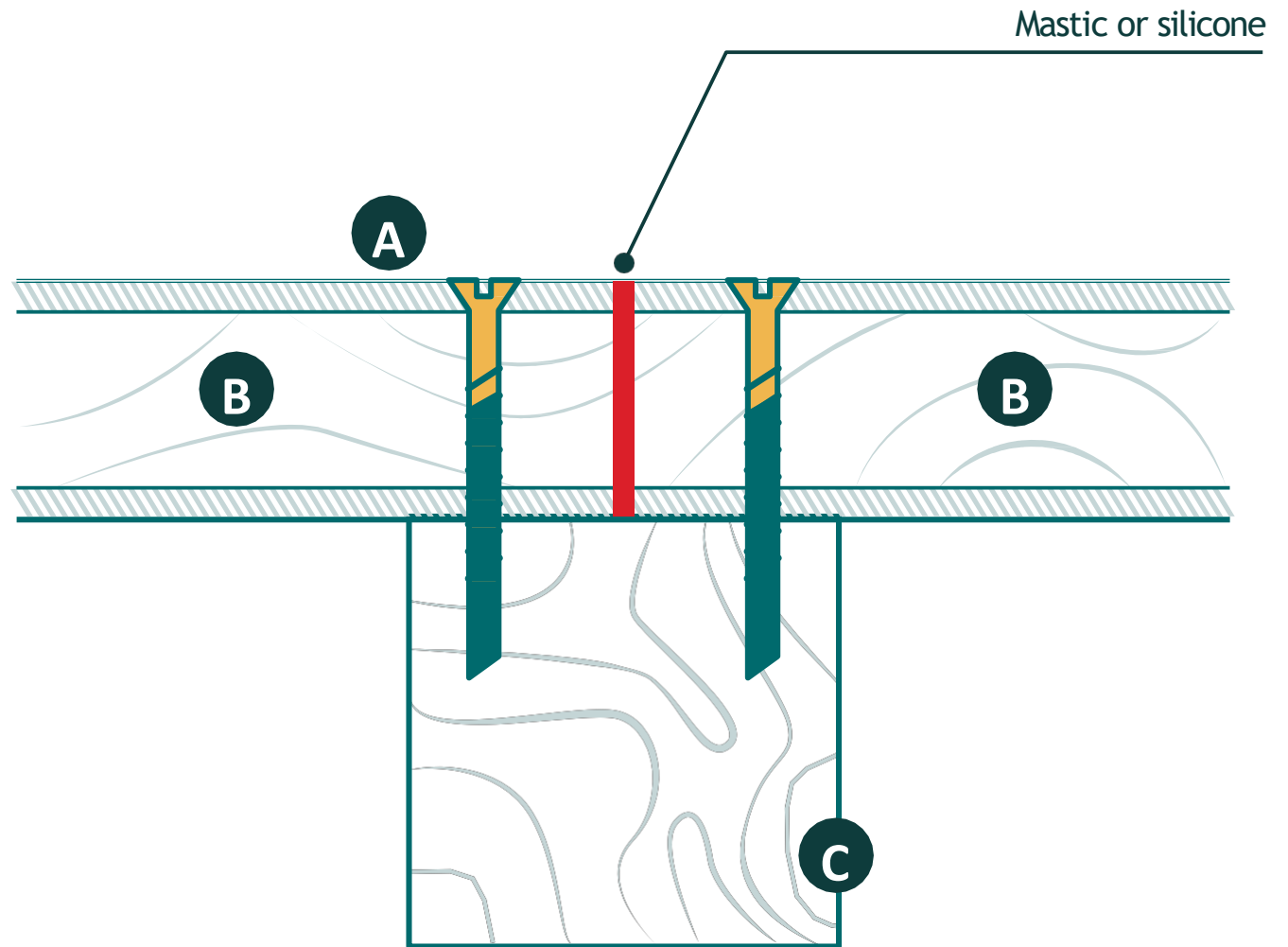


## Fixing in wooden beams:



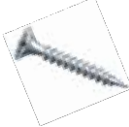
**A** Self Drilling screw

**B** Wall Panel

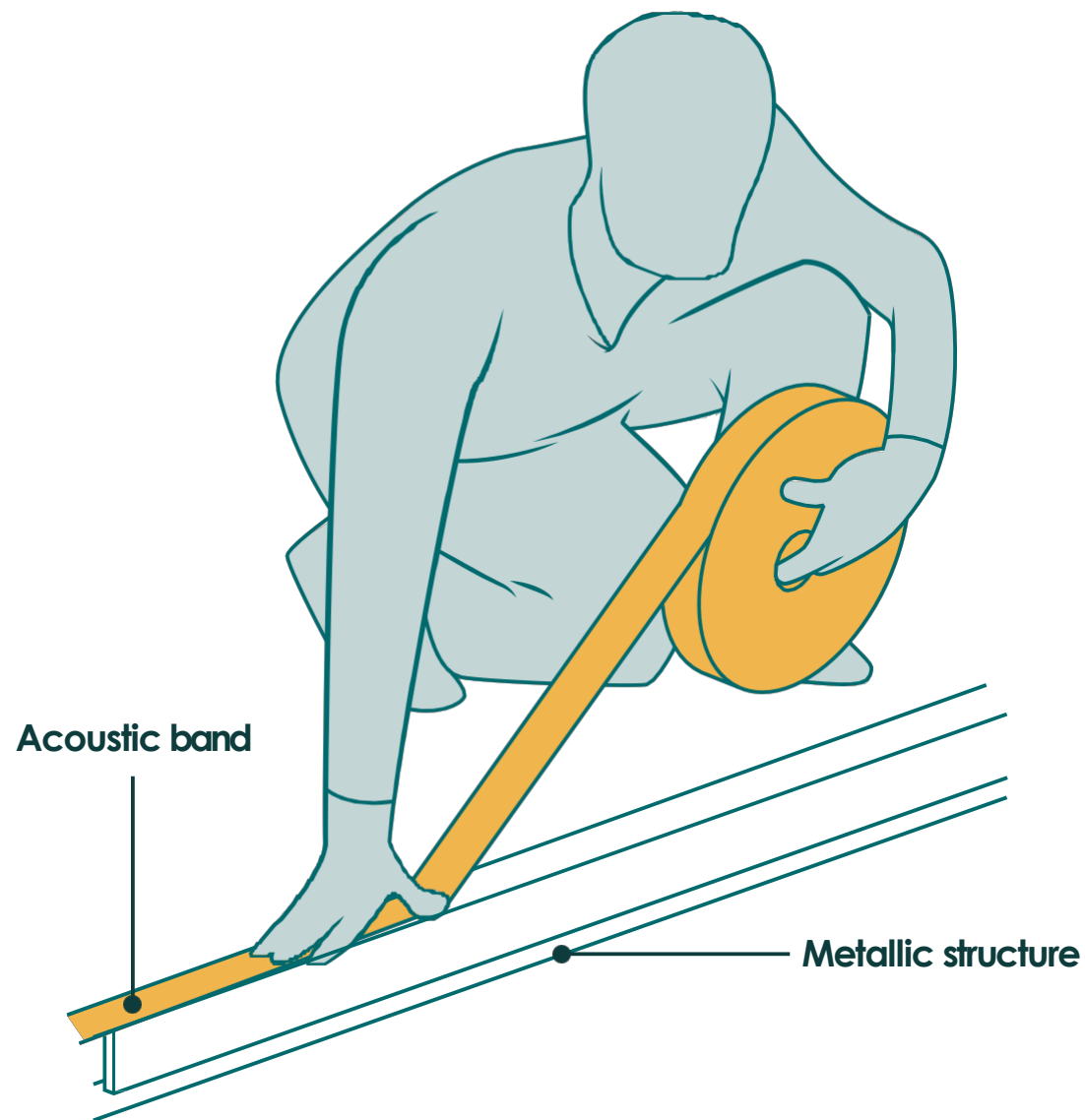
**C** Wooden Beam



## Choose the best screw:

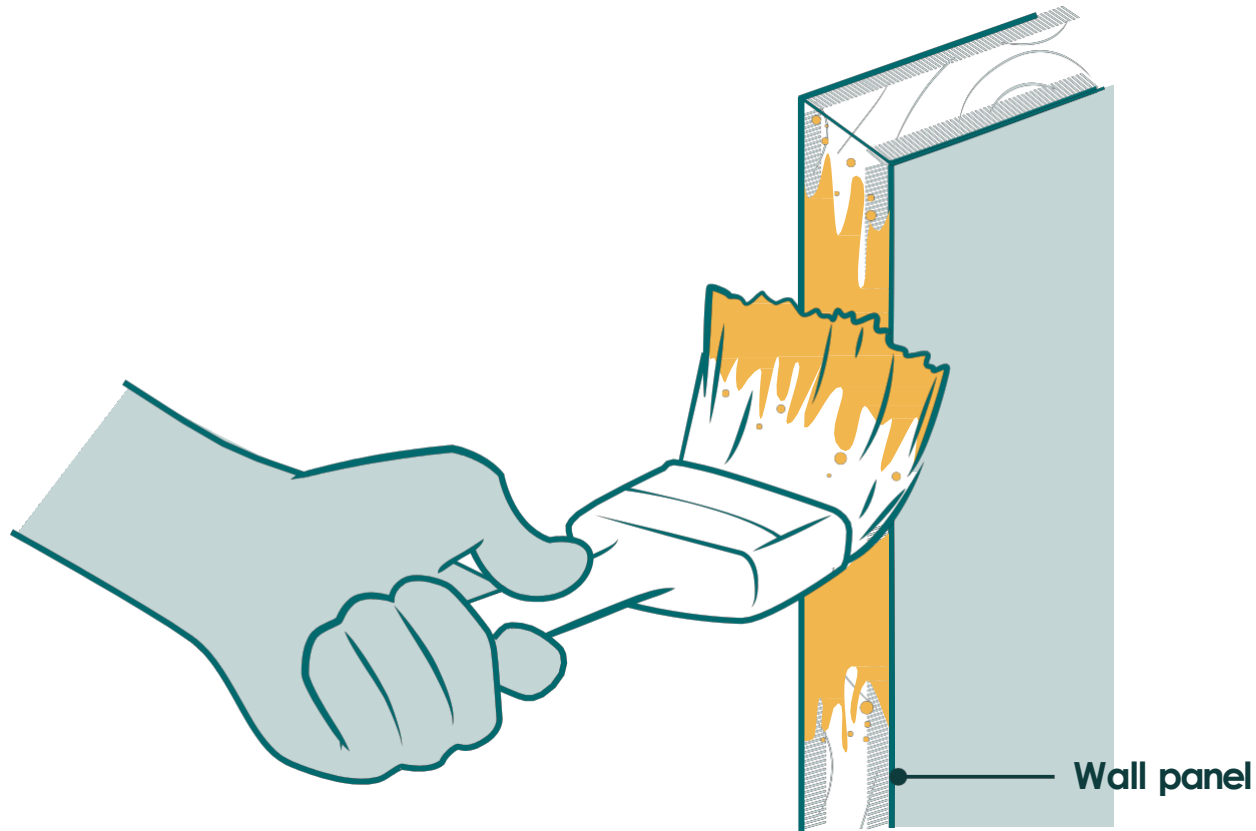
screw type		structure
	<p><b>Screw and clamp set:</b></p> <ul style="list-style-type: none"> <li>• screw 76.2 x 6.2 mm</li> <li>• hexagon nut</li> <li>• washer</li> <li>• stamped steel clamp 25 mm</li> </ul>	<ul style="list-style-type: none"> <li>• “I” profile steel beams</li> <li>• board profiles</li> </ul>
	<p><b>Screw T3 ALAS 12 mm x 3”</b> (6,3 mm x 76 mm)</p>	<ul style="list-style-type: none"> <li>• board profiles</li> </ul>
	<p><b>Flat head needle point screw:</b></p> <ul style="list-style-type: none"> <li>• 5,5 x 45 mm (23 and 30-mm panels)</li> <li>• 5,5 x 70 mm (40-mm panels)</li> </ul>	<ul style="list-style-type: none"> <li>• wooden structures</li> </ul>

To smooth out small gaps resulting from welding points and/or to ensure greater acoustic comfort, it is recommended to place an acoustic band between the panel and the structure.



## 2.2. Cutting

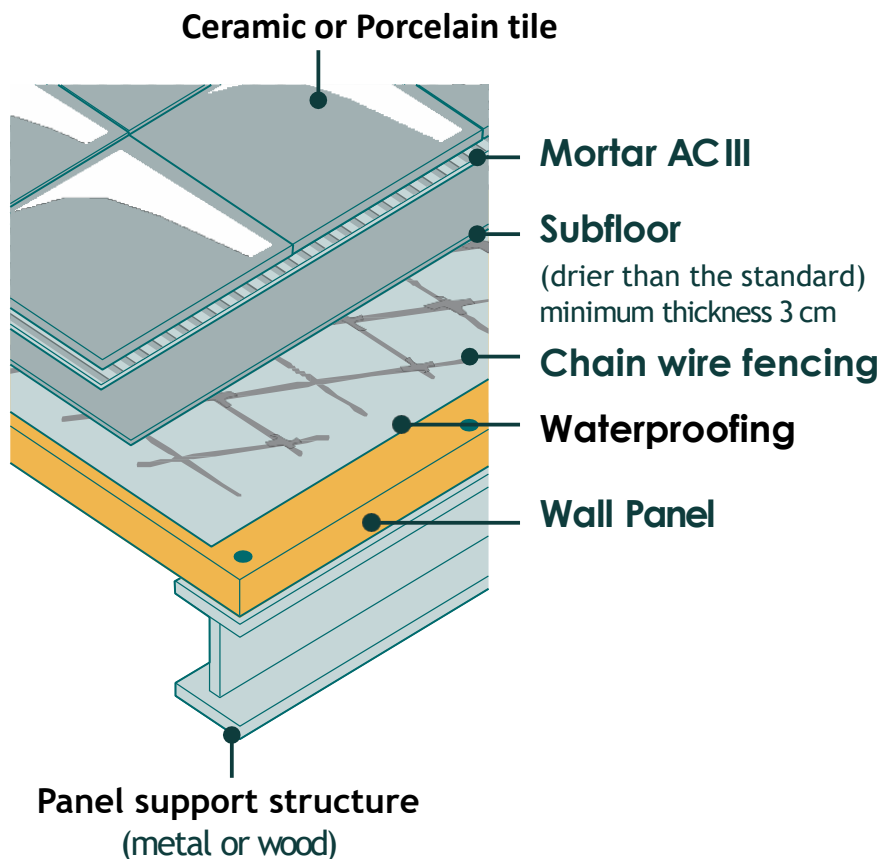
Whenever panels are cut, solvent-based paint should be applied to seal the edges and prevent the wood from absorbing moisture.



The cuts and perforations in the Wall Panel must be carried out by using equipment with a disc or a Widea drill type.

## 2.3. Finishes

The Wall Panel can receive the most diverse types of finishing, such as vinyl flooring, porcelain, carpet, epoxy, laminates, paint, among others. The following is a step-by-step guide for ceramic floors, which can be adapted according to the manufacturer's instructions for other types of finishes.



**1 Cleaning:** Before performing any type of finishing on the panels, the surface must be clean and dry, free from dust, oil or any other type of residue;

**2 Waterproofing:** In wet areas (such as bathrooms) it is recommended that, before applying the coating, waterproofing is carried out, ensuring 100% of dryness of the panels, following the guidelines of a specialist (some market possibilities are blanket or asphalt emulsion);

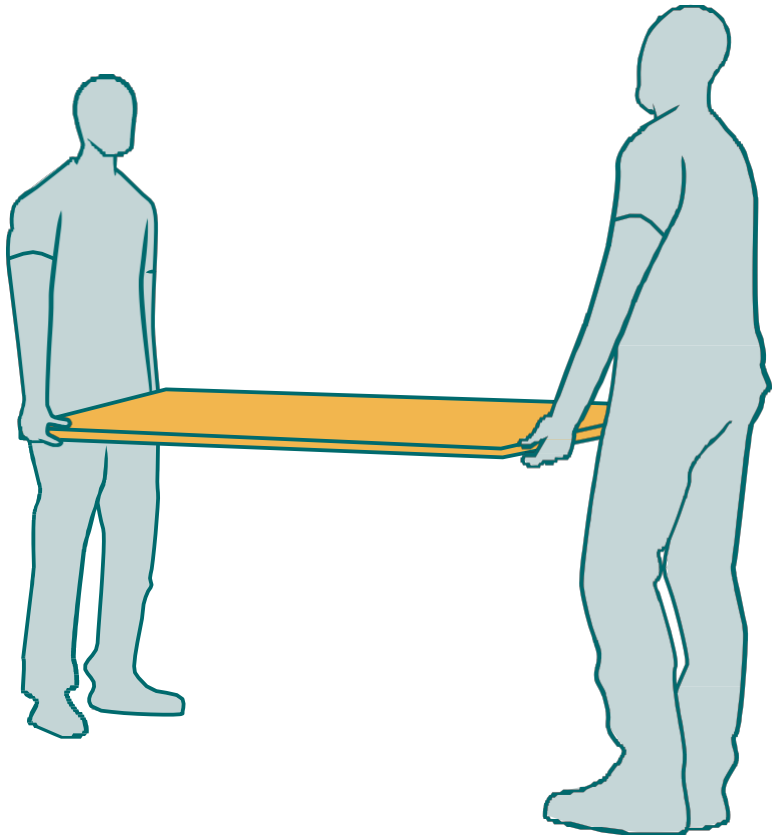
**3 Subfloor:** For ceramic and porcelain floors, it is recommended to level the floor with a minimum of 3 cm thickness of subfloor mortar (with low water content) applied on chain wire fencing. Keep at least 3 mm away from beams and walls;

**4 Installation:** lay the tiles with ACIII flexible mortar (taking care to keep a distance of 3 mm from beams and walls).

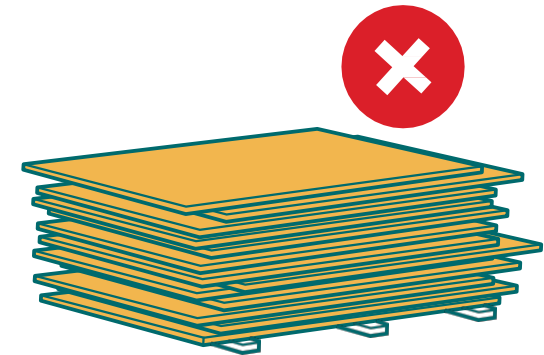
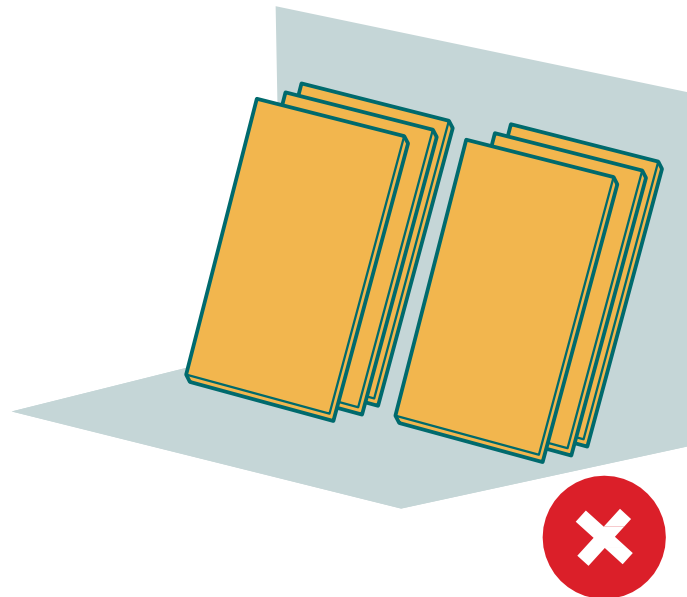
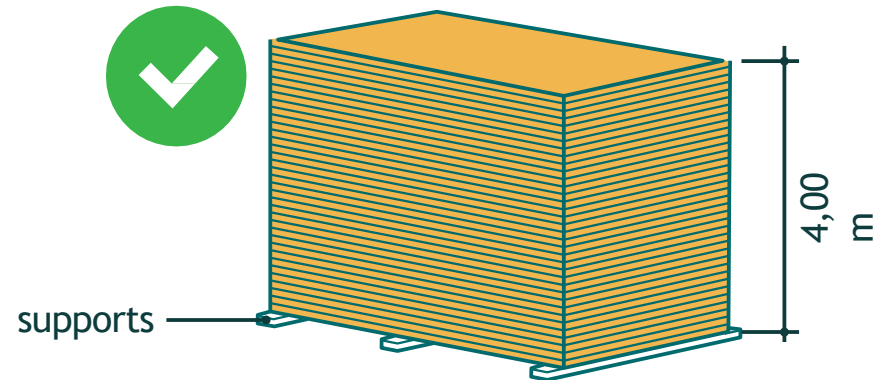
## 2.4. Transport and handling

The panels must be transported:

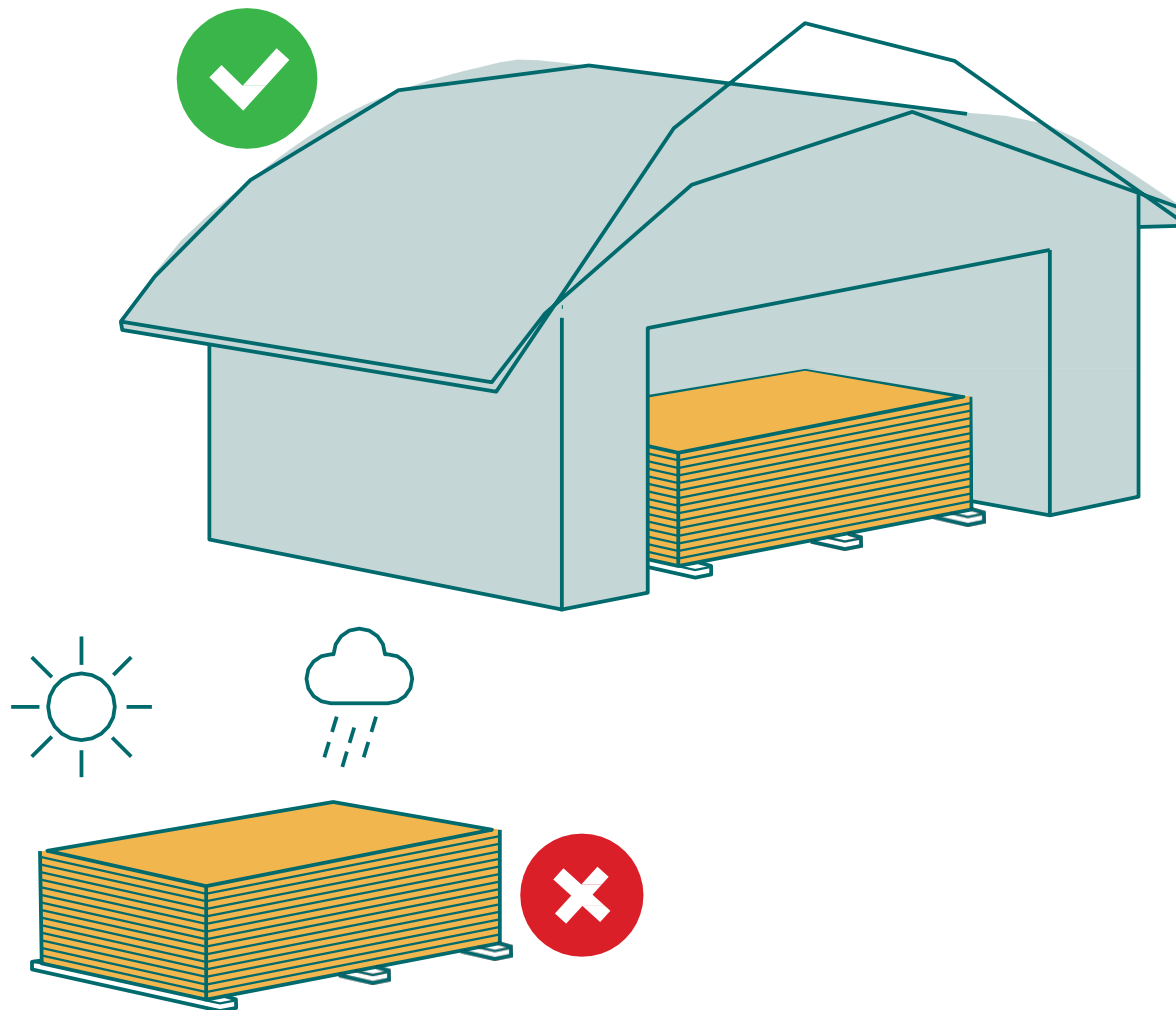
- In the form of pallets with forklift or
- One at a time by two people.



The panels must be stored horizontally in clean, flat, dry areas, isolated from the floor, with at least 3 support axes, without leaving parts that could be overhanging the sides. The pallet height must not exceed a maximum of 4 meters.



It is recommended to store the panels in covered places, protected from rain and humidity. In case the storage takes place outdoors, it is recommended to cover the pieces with plastic canvas, taking care to position the plastic without letting it touch the sides of the panels, allowing air circulation between them.



It is important to take all necessary precautions when transporting and handling the panels to prevent the edges from being chipped or damaged.



### 3. Other applications

- Residential, commercial and industrial mezzanines;
- Dry slabs;
- Movie theaters;
- Internal walkways;
- Walls, ceilings and internal partitions;



- Shafts;
- Modular projects with containers;
- Acoustic confinements;
- Storage systems.



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or at [commercial@r13imports.com](mailto:commercial@r13imports.com)