

savolit plus

wood wool boards

Savolit Plus is the result of continuous research and the desire to provide the best environmentally friendly products and solutions. Savolit Plus wood wool boards are genuine natural panels and consist of long, strong wood fibres which are mineralised and bonded into panels.

The raw timber originates from sustainably managed forests and is PEFC labelled. From production, installation, lifespan and decomposition (recycling) Savolit Plus panels do not pose a risk to the environment. Savolit Plus wood wool boards are 100% recyclable.

Why choose Savolit Plus:

Savolit Plus multi purpose wood wool building boards have all the advantages of standard boards with the additional benefits:

- High resistance to moisture and frost
- High flexural strength
- High compressive strength
- Low environmental impact
- PEFC certified timber from sustainably managed forests
- Wide range of panel sizes and thickness



applications

- External cladding of timber frame walls
- Internal lining of timber frame walls
- Base Board for plastered ceilings and walls
- Internal partition walls
- Carrier board for render

composition

Savolit Plus wood wool boards consist of long strong wood fibres, stabilised by chemical impregnation and bound by cement-binding agent into a compact coherent structure.

The mineralisation process strongly increases the fire resistance of wood wool. The composition and performance of the boards make them ideal for many different applications in building constructions.

As a result of Plus panels composition, tests have shown that they are unaffected by moisture and frost.

Produced in accordance to standard EN 13168 and are CE marked.

Savolit Plus timber comes from forests certified PEFC that are sustainably managed.

ecological and health aspects

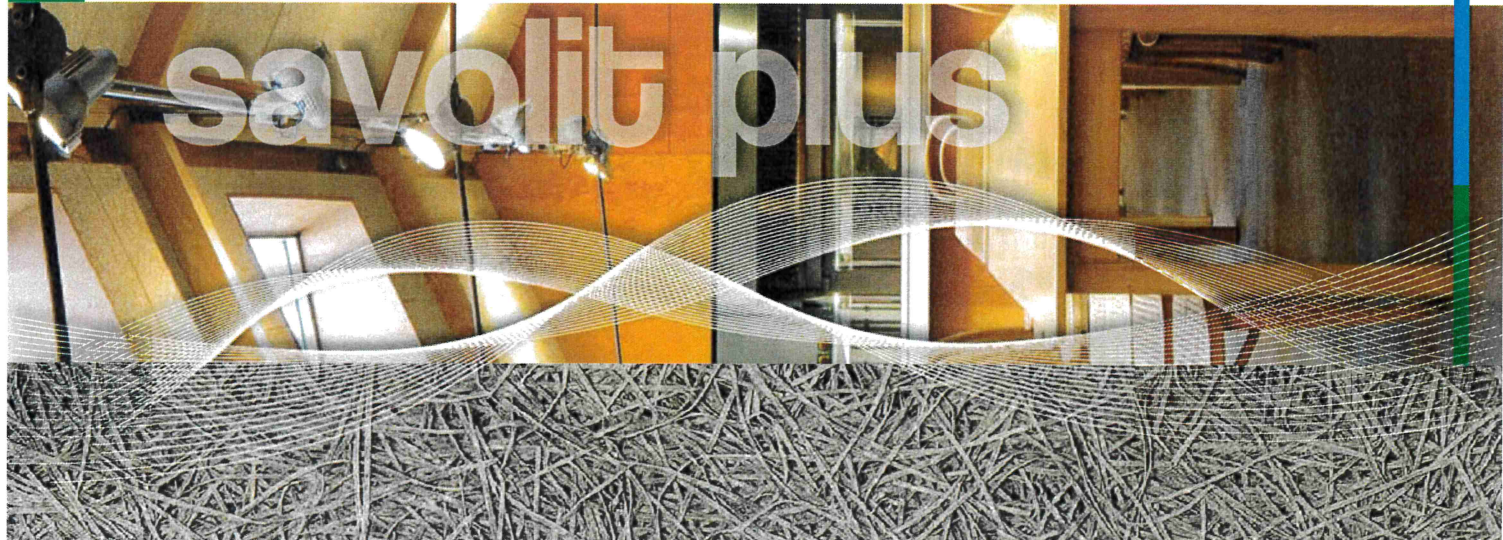
- Many sustainable benefits
- Boards are made of natural materials
- No waste disposal problem
- Ideal for buildings comfortable for people sensitive to allergies
- Recommended for healthy living environments
- No harmful gases or vapours given off
- No toxic fumes if burned
- Diffusion permeable
- Hygroscopic - levels out humidity level changes
- Naturally resistant to fungus and insects

technical advantages

- Unaffected by humidity and frost
- Durable
- Non flammable and self extinguishing
- Thermally insulating
- Compatible with all normal construction materials
- High compression resistance and flexural strength
- Stable
- Surface offers good mechanical key for renders and plasters
- Sound absorbing and noise insulating
- Vapour permeable
- Easy and safe to handle, cut and work
- Proven performance in over 80 years in all climates
- Available in wide range of board sizes
- Low environmental Impact
- PEFC certified

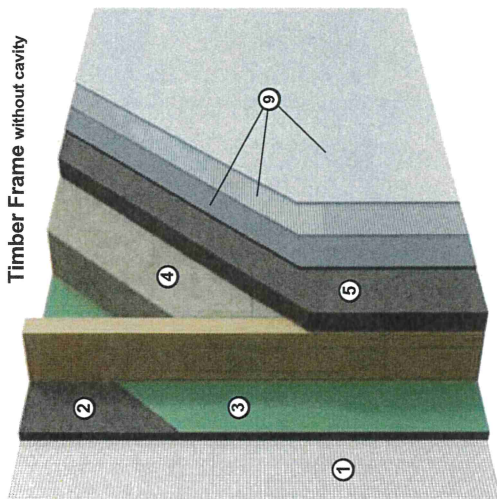


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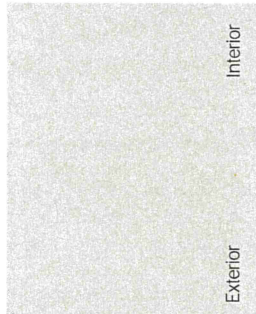


frame wall and ceiling constructions

Timber Frame without cavity

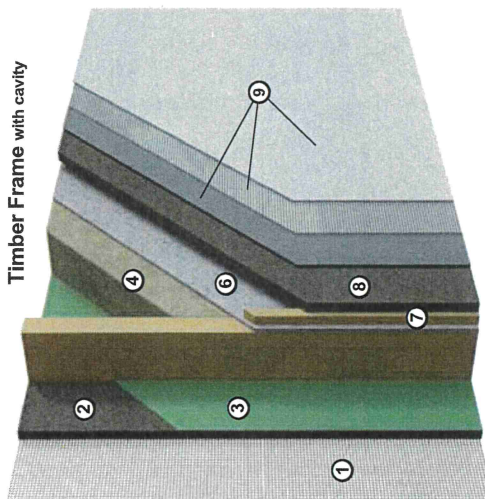


Interior

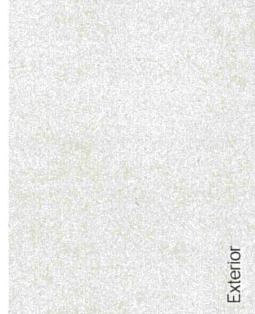


Exterior

Timber Frame with cavity

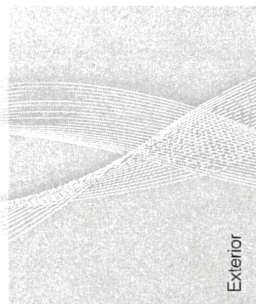
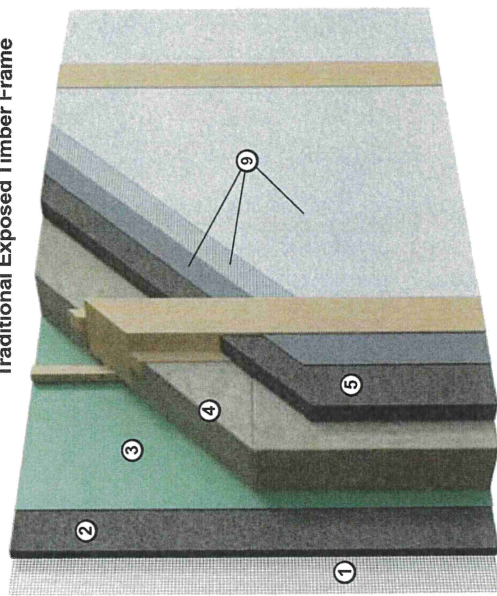


Interior



Exterior

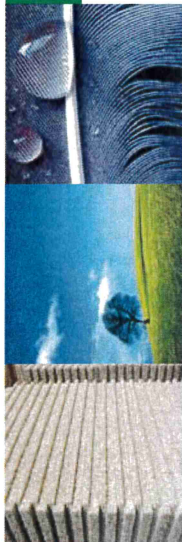
Traditional Exposed Timber Frame



Exterior

Number Key:

1. Interior plaster glass fibre mesh
2. SAVOLIT Plus board 25 or 35 mm or Plasterboard (alternative)
3. Vapour check
4. Frame construction and insulation
5. SAVOLIT Plus board 50 mm
6. Sheathing board
7. Battens (vent cavity)
8. SAVOLIT Plus board 25 or 35 mm
9. Exterior render with glass fibre mesh



installation

Mechanically fixed with screws and savolit washers

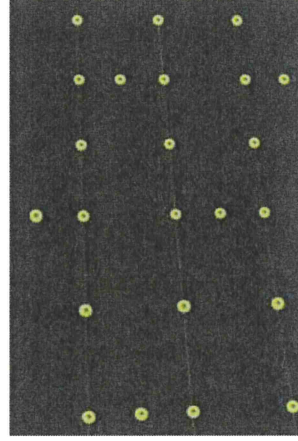
Board	screw (length, diameter)
15mm	min. 45mm, Ø4,8
25mm	min. 50mm, Ø4,8
35mm	min. 70mm, Ø5
50mm	min. 90mm, Ø5

Minimum Fixings per m2

25mm board - 15 min. Screws / m2
35mm board - 12 min. Screws / m2
50mm board - 9 min. Screws / m2

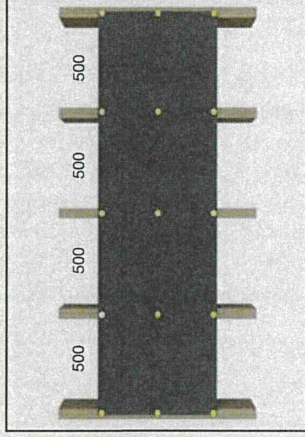
Savolit Plus boards may also be fixed without centre fixing with the following minimum fixings per board:

2000 x 6000mm	1200 x 6000mm
25mm board - 14 screws /board	10 screws/board
35mm board - 14 screws /board	8 screws/board
50mm board - 10 screws /board	6 screws/board

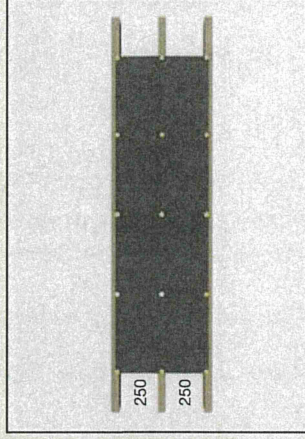


SAVOLIT Plus wood boards are installed in broken bond pattern and fastened to timber structures with timber screws and Savolit washers.

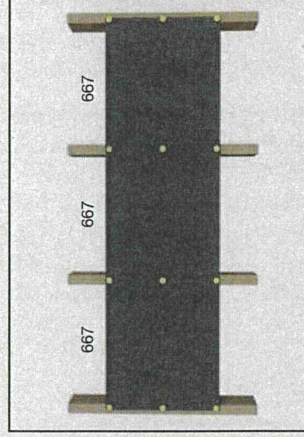
Savolit Plus 25mm



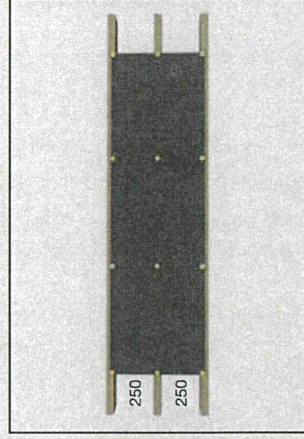
Savolit Plus 25mm



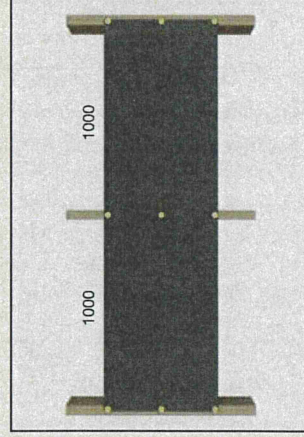
Savolit Plus 35mm



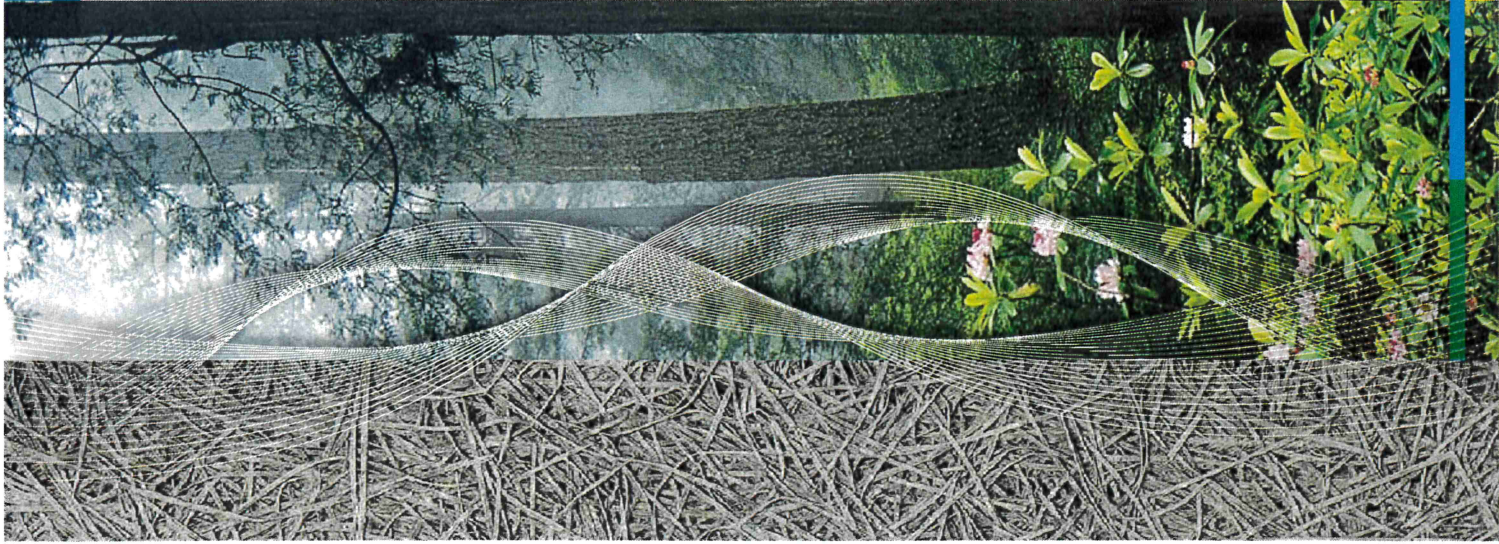
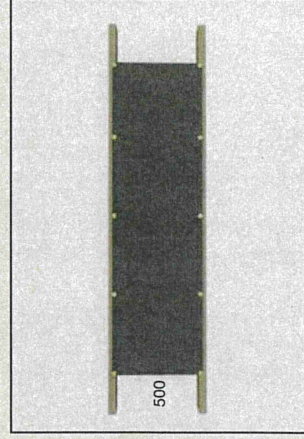
Savolit Plus 35mm



Savolit Plus 50mm



Savolit Plus 50mm



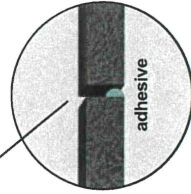
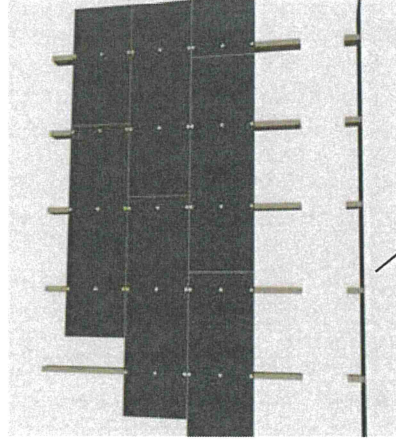


edge bonding

If boards are fully edge bonded one to another it is not then necessary for board ends to occur at supports and allowing increased spans as follows:

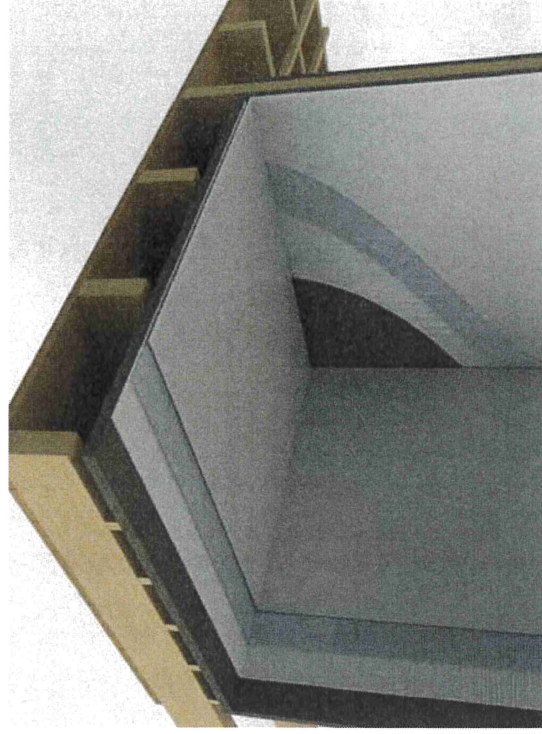
Board thickness 25mm Board thickness 35 - 50mm
 Maximum span 666mm Maximum span 1000 mm

SAVOLIT Plus boards 25, 35 and 50mm thick are fully edge bonded with a bead of Savolit P010 adhesive.



frame wall and ceiling constructions

Interior wall and ceiling applications



SAVOLIT Plus 25 mm either direct fixed to joists (studs) or via supporting battens. Lime or gypsum plaster with glass fibre mesh.

