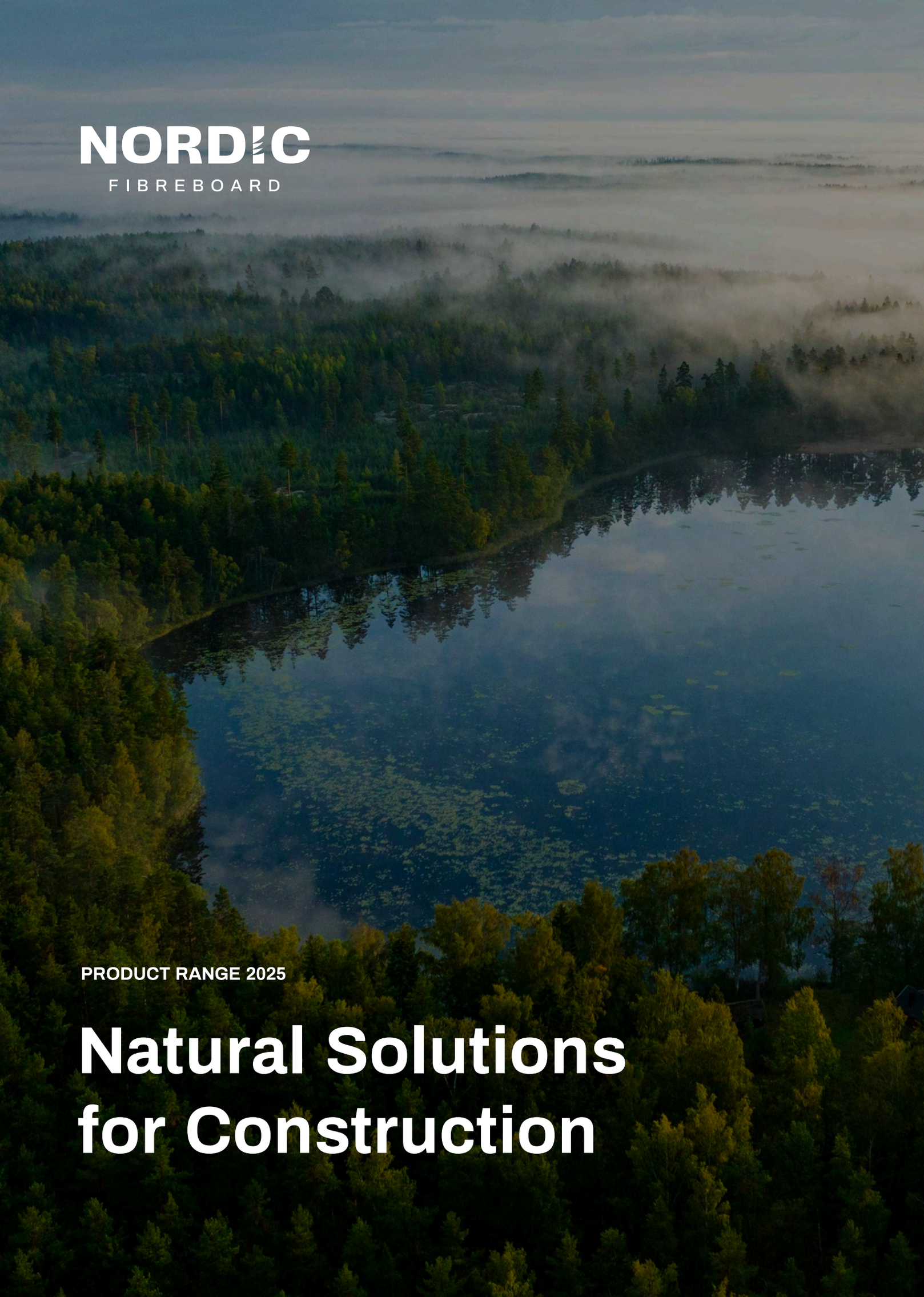


NORDIC
FIBREBOARD

PRODUCT RANGE 2025

Natural Solutions for Construction

Contact your local reseller

NORDIC FIBREBOARD

Contents

NORDIC FIBREBOARD

NORDIC FIBREBOARD Ltd OÜ

Rääma 31, 80044 Pärnu, Estonia
Reg. Code: 12503545
VAT: EE101652014

+372 445 1800
info@nordicfibreboard.com
www.nordicfibreboard.com

Solutions overview

	ProWind	Wind Barrier	ECO+	Insulation	ISOmodul	Interior Panels	Wax Board
	ISO plaat	ISO plaat	ISO plaat	ISO plaat	ISO modul	ISOTEX ceiling	WAX board
Page	**6**	**8**	**10**	**12**	**14**	**16**	**18**
Usage							
Wall	✓	✓		✓	✓		
Roof	✓	✓		✓	✓	✓	
Floor		✓	✓		✓		
Joint filler							✓
Multipurpose			✓	✓			
Thickness (mm)							
8			✓	✓			
10			✓	✓			
12	✓	✓	✓	✓		✓	✓
25	✓	✓		✓			✓
50		✓			✓		
Width (mm)							
1200	✓	✓		✓			✓
800		✓					
625					✓		
600		✓			✓		
590			✓				
280						✓	
Length (mm)							
3000	✓	✓		✓			
2700	✓	✓		✓			
2440							✓
2400		✓					
1875		✓					
1800		✓				✓	
1200					✓		
790			✓				
Edge							
Straight	✓	✓	✓	✓	✓		✓
Half lap		✓			✓		
Tongue and groove		✓				✓	

* Custom dimensions available on special order, please contact your local reseller for Nordic Fibreboard products
* Edge profiles are available starting from a board thickness of 25 mm

Roof with tile roofing

ISO plaat ProWind
ISO plaat Wind Barrier
ISOTEX ceiling Interior Panels

Roof with metal roofing

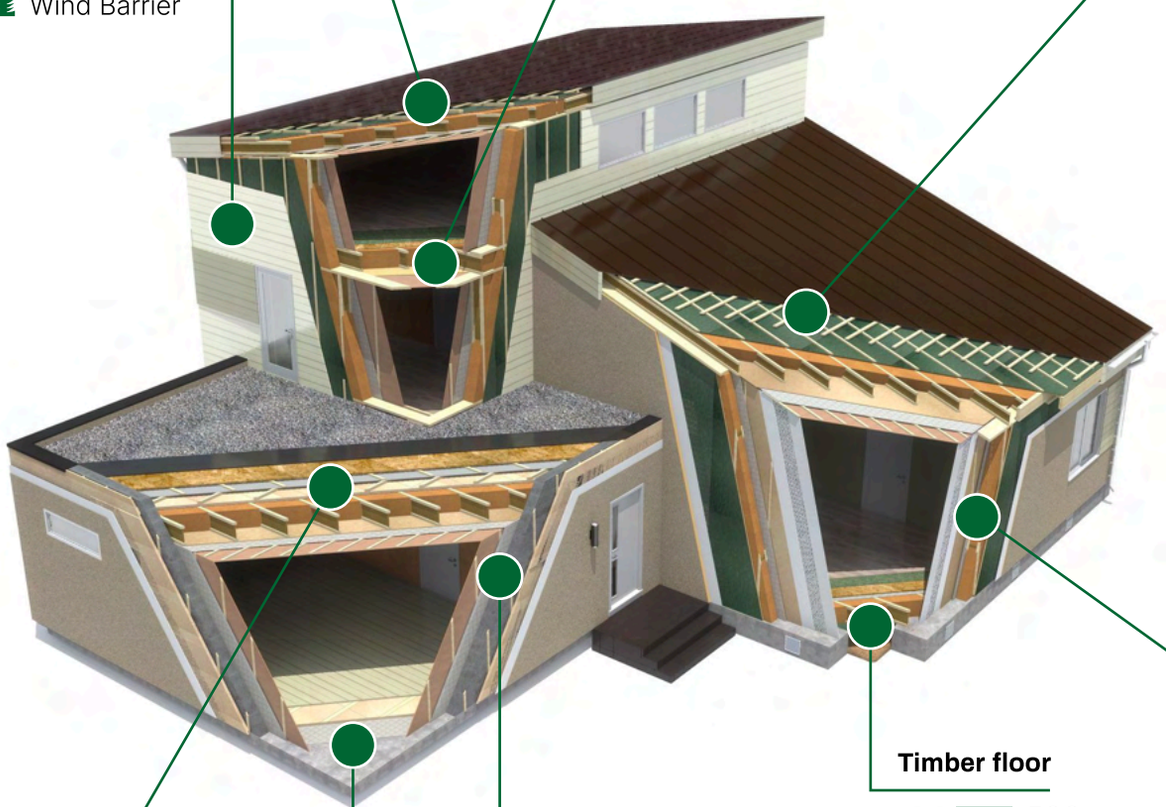
ISO plaat ProWind
ISO plaat Wind Barrier
ISOTEX ceiling Interior Panels

Exterior wall with cladding

ISO plaat ProWind
ISO plaat Wind Barrier

Timber subfloor

ISO plaat Insulation
ISOTEX ceiling Interior Panels



Timber flat roof

ISO plaat Insulation
ISO modul ISOmodul
ISOTEX ceiling Interior Panels

Plastered exterior wall

ISO modul ISOmodul

Timber floor

ISO plaat ECO+
ISO plaat Wind Barrier

Concrete floor

ISO modul ISOmodul

Plastered timber wall

ISO plaat ProWind
ISO plaat Insulation
ISO plaat Wind Barrier

NEW

ISOplaat ProWind

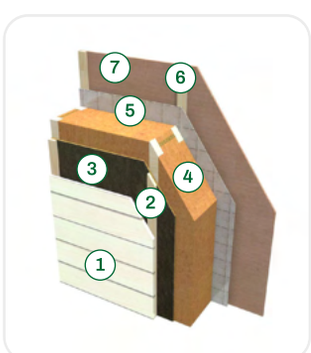
- Wind barrier board
- Premium quality
- Excellent thermal insulation
- Reduced CO_2 footprint

ISOplaat ProWind is a premium wind barrier board based on proven performance in the harsh Northern European climate.

ISOplaat ProWind keeps cold air from reaching the building's insulation layer, ensuring both thermal and wind insulation for the entire lifecycle of the building. Engineered with a breathable yet high-density woodfibre structure and impregnated with paraffin wax, it ensures energy efficiency through thermal insulation and allows vapour to pass through, helping regulate humidity while preventing moisture-related damage to the insulation layer of walls and roofing.

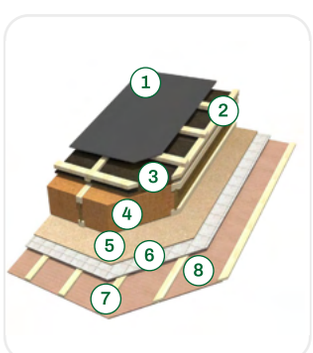
ISOplaat ProWind is a perfect wind barrier and insulation product for walls, ceilings, and roofs of both new buildings and renovating older houses.

Usage



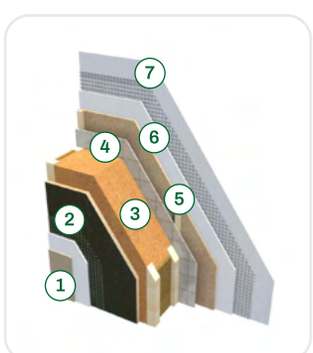
Timber construction exterior wall:

1. Timber cladding
2. Battens
3. **ISOplaat ProWind**
4. Timber structure with insulation
5. Vapour barrier
6. Battens
7. ISOTEX wall panels



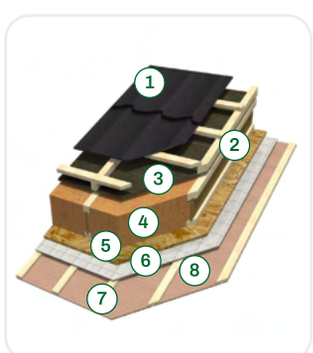
Timber roof with sheet metal roofing:

1. Roofing material
2. Battens
3. **ISOplaat ProWind**
4. Timber structure with insulation
5. OSB board
6. Vapour barrier
7. Battens
8. ISOTEX ceiling panels



Plastered exterior wall:

1. Exterior plaster layers
2. **ISOplaat ProWind**
3. Timber structure with insulation
4. Vapour barrier
5. Battens
6. ISOplaat insulation
7. Interior plaster layers



Timber roof with tile roofing:

1. Roofing material
2. Battens
3. **ISOplaat ProWind**
4. Timber structure with insulation
5. OSB Board
6. Vapour barrier
7. Battens
8. ISOTEX ceiling panels

Advantages of using ISOplaat ProWind

- **ISOplaat ProWind** is manufactured according to **highest quality standards**
- **Higher density** and **increased thermal insulation** for exterior walls and roofs
- **Superior noise reduction** thanks to porous woodfibre structure
- **Increasing structural rigidity** of walls and roofs by using 25 mm
- **Naturally engineered and designed**, woodfibre is a carbon-negative material, reducing the building's overall CO_2 footprint
- **Saved resources** through saving and storing CO_2 during construction and the building's lifecycle

Easy to handle | **Thermal insulation** | **Noise reduction** | **Natural design** | **Premium quality**

Technical data

Thickness (mm)	12	25
Width (mm)	1200	1200
Length (mm)	2700	3000
Boards on pallet (pc)	95	45
Amount on pallet (m^2)	307,8	162,0
Density (kg/m^3)	≥250	≥250
Thermal conductivity (W/mK)	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,2	≥0,8
Reaction to fire	Class E	Class E
Edge profile	Straight	Straight

* Produced according to standard EN 13986:2004

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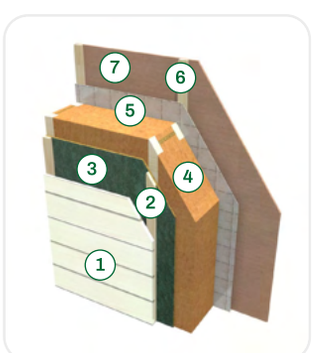
ISOplaat Wind Barrier

- Wind barrier board
- Trusted for over 60 years
- Excellent price to quality ratio
- Thermal insulation

ISOplaat Wind Barrier has been a best-selling wind barrier product for over 60 years, delivering exceptional performance at an affordable price. Thanks to their dense structure and the addition of paraffin for enhanced moisture resistance, the **ISOplaat Wind Barrier** boards prevent cold air from reaching the wall's thermal insulation layers. This prevents the construction from cooling down and guarantees the insulation functions effectively.

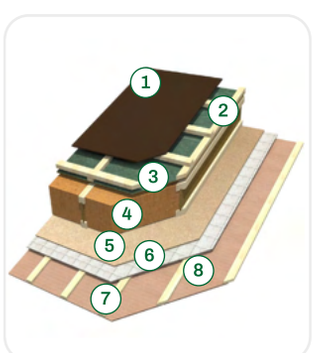
For this reason, they are installed directly on the outer layer of the thermal insulation. This guarantees the conversion of humidity and prevents the thermal insulation layer from getting damp. **ISOplaat Wind Barrier** is a trusted solution for wind protection and thermal insulation in both new constructions and renovation projects.

Usage



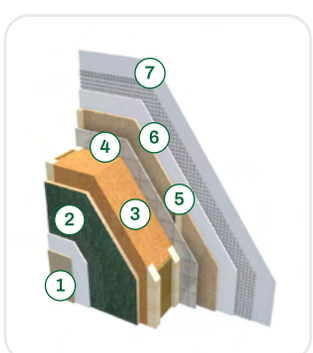
Timber construction exterior wall:

1. Timber cladding
2. Battens
3. **ISOplaat Wind Barrier**
4. Timber structure with insulation
5. Vapour barrier
6. Battens
7. ISOTEX wall panels



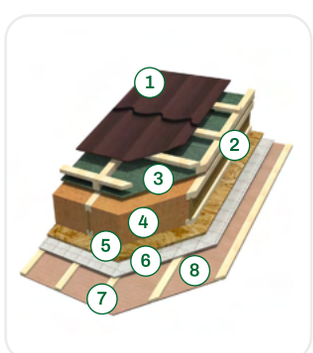
Timber roof with sheet metal roofing:

1. Roofing material
2. Battens
3. **ISOplaat Wind Barrier**
4. Timber structure with insulation
5. OSB board
6. Vapour barrier
7. Battens
8. ISOTEX ceiling panels



Plastered exterior wall:

1. Exterior plaster layers
2. **ISOplaat Wind Barrier**
3. Timber structure with insulation
4. Vapour barrier
5. Battens
6. ISOplaat insulation
7. Interior plaster layers

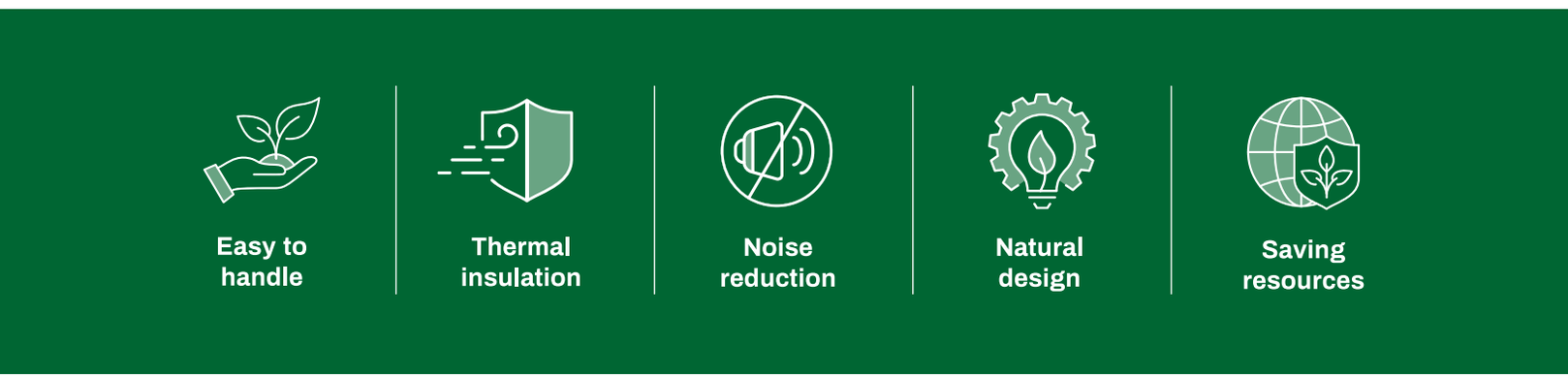


Timber roof with tile roofing:

1. Roofing material
2. Battens
3. **ISOplaat Wind Barrier**
4. Timber structure with insulation
5. OSB Board
6. Vapour barrier
7. Battens
8. ISOTEX ceiling panels

Advantages of using ISOplaat Wind Barrier

- **Excellent thermal insulation** for exterior walls and roofs
- **Effective noise reduction** thanks to porous woodfibre structure
- **Increasing structural rigidity** of walls and roofs by using 25 mm or 50 mm boards
- **Naturally engineered and designed**, woodfibre is a carbon-negative material, reducing the building's overall CO_2 footprint
- **Saved resources** through saving and storing CO_2 during construction and the building's lifecycle



Technical data

Thickness (mm)	12	25	25	25	25/50
Width (mm)	1200	1200	800	1200	600
Length (mm)	2700	3000	2400	1875	1800
Boards on pallet (pc)	95	45	45	45	90/44
Amount on pallet (m^2)	307,8	162,0	86,4	101,2	97,2/47,5
Density (kg/m^3)	≥240	≥240	≥240	≥240	≥240
Thermal conductivity (W/mK)	≤0,049	≤0,049	≤0,049	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,2	≥0,8	≥0,8	≥0,8	≥0,8
Reaction to fire	Class E	Class E	Class E	Class E	Class E
Edge profile	Straight	Straight	Half lap	Tongue & Groove	Tongue & Groove

* Produced according to standard EN 13986:2004

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NEW

ISO plaat ECO+

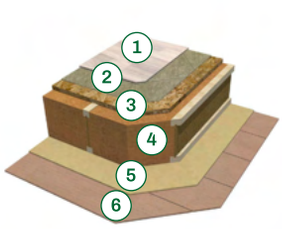
- Multipurpose usage
- Compact size
- Reduced sound
- Natural material

ISOplaat ECO+ is a compact and lightweight multipurpose board for interior flooring underlay, construction, renovation and installation works in commercial and residential buildings.

As floor underlay, used on hard and dry surfaces under floor coverings, **ISOplaat ECO+** boards level out minor unevennesses in floor and wall surfaces and improve thermal insulation. Thanks to superior noise and vibration damping, they will reduce noise pollution in indoor spaces.

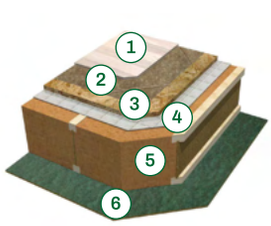
Designed for professional flooring and renovation use in walls, ceilings, attics, yet also ideal for home DIY projects, **ISOplaat ECO+** is a perfectly compact and lightweight multipurpose product for flooring, construction, renovation, installation, and more.

Usage



Timber construction subfloor:

1. Flooring material
2. **ECO+**
3. OSB board
4. Timber structure with insulation
5. ISOplaat insulation
6. ISOTEX ceiling panels



Timber construction floor:

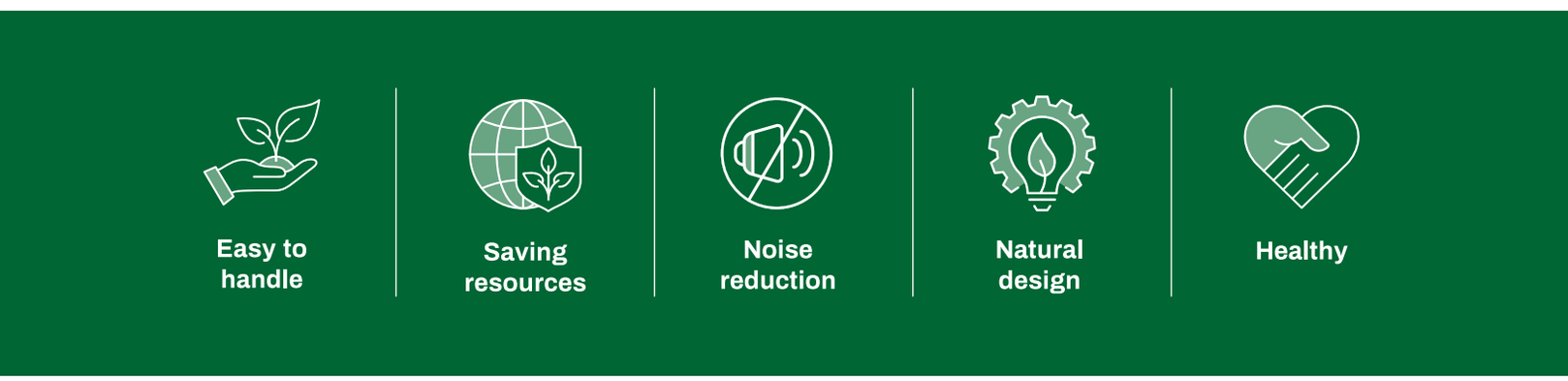
1. Flooring material
2. **ECO+**
3. OSB board
4. Vapour barrier
5. Timber structure with insulation
6. ISOplaat Wind Barrier

Additional areas:

- Flooring underlay
- Insulation
- Home DIY
- Surface protection

Advantages of using ISOplaat ECO+

- **Clean and easy** to cut and handle, no harmful waste
- **Highest level of indoor air quality**, no harmful VOCs or Formaldehydes (E <0,05 ppm)
- **Reduces noise pollution** and vibrations thanks to porous woodfibre structure
- **Lightweight and compact** size, 590 × 790 mm for quick and easy installation
- **Naturally engineered and designed**, woodfibre is a carbon-negative material, reducing the building's overall CO_2 footprint
- **Saved resources** through saving and storing CO_2 during construction and the building's lifecycle



Technical data



Thickness (mm)	8	10	12
Width (mm)	590	590	590
Length (mm)	790	790	790
Boards in package (pc)	12	10	8
Amount in package (m^2)	5,6	4,7	3,8
Packages on pallet (pc)	22	22	22
Amount on pallet (m^2)	122,9	102,5	82,1
Density (kg/m^3)	≥240	≥240	≥240
Thermal conductivity (W/mK)	≤0,049	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,9	≥1,9	≥1,2
Reaction to fire	Class E	Class E	Class E
Edge profile	Straight	Straight	Straight

* Produced according to standard EN 13986:2004

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ISOplaat Insulation

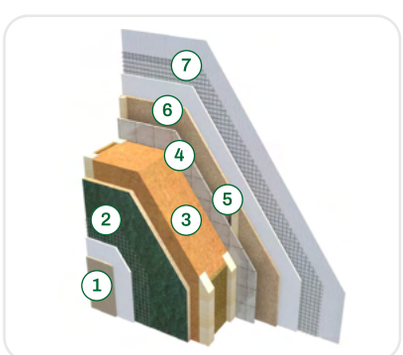
- For internal use
- Thermal insulation
- Noise reduction
- Biodegradable

ISOplaat Insulation Board is a woodfibre insulation board used for additional thermal insulation, support of loose insulation material, soundproofing, and structural rigidity in interior walls, ceilings, and floors.

ISOplaat Insulation Board's dense and porous composition offers excellent thermal insulation, blocking heat transfer and maintaining energy efficiency. Additionally, these boards provide effective sound muting, reducing noise between rooms and floors and help to regulate humidity by preventing moisture-related damage to the insulation layer.

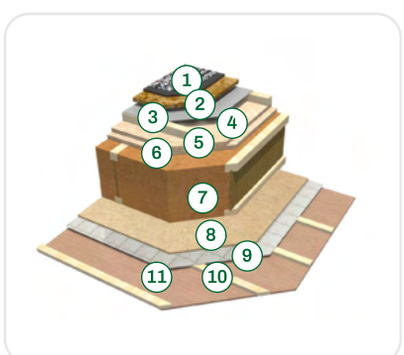
With their natural composition and advanced design, **ISOplaat Insulation Board** is a smart choice for sustainable and efficient construction and renovation for both commercial and residential buildings.

Usage



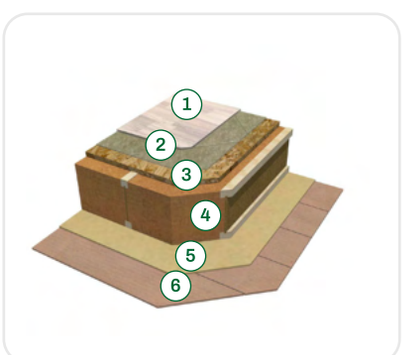
Plastered exterior wall:

1. Exterior plaster layers
2. ISOplaat wind barrier
3. Timber structure with insulation
4. Vapour barrier
5. Battens
6. **ISOplaat Insulation**
7. Interior plaster layers



Timber flat roof construction:

1. Roofing material
2. OSB board
3. Battens
4. Roof underlay
5. Battens
6. ISOMODUL insulation
7. Timber structure with insulation
8. **ISOplaat Insulation**
9. Vapour barrier
10. Battens
11. ISOTEX ceiling panels



Timber construction subfloor:

1. Flooring material
2. Floor underlay boards
3. OSB board
4. Timber structure with insulation
5. **ISOplaat Insulation**
6. ISOTEX ceiling panels

Advantages of using ISOplaat Insulation

- **Excellent thermal insulation** and **noise reduction**
- **Increasing structural rigidity** when using 25 mm boards as insulation
- **Improved indoor climate** thanks to moisture and air vapour regulation
- **100% natural product** made from renewable sources
- **Saved resources** through saving and storing CO_2, woodfibre is a carbon-negative material, reducing the building's overall CO_2 footprint

Easy to handle | **Thermal insulation** | **Noise reduction** | **100% natural** | **Saving resources**

Technical data

Thickness (mm)	8	10	12	25
Width (mm)	1200	1200	1200	1200
Length (mm)	2700	2700	2700	3000
Boards on pallet (pc)	130	110	95	45
Amount on pallet (m^2)	421,2	356,4	307,8	162,0
Density (kg/m^3)	≥240	≥240	≥240	≥240
Thermal conductivity (W/mK)	≤0,049	≤0,049	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,9	≥1,9	≥1,2	≥0,8
Reaction to fire	Class E	Class E	Class E	Class E
Edge profile	Straight	Straight	Straight	Straight

* Produced according to standard EN 13171:2012

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ISO modul

Insulation

- Sound reduction
- Thermal insulation
- Compact dimensions
- Easy to install

ISOmodul Insulation board is a insulation product that is used as underlay material under flooring as thermal insulation layer, levelling out minor unevennesses and reducing footstep noise. It is also used for insulating walls, ceilings, and under roof construction layers. It is also an ideal underlay for plastering.

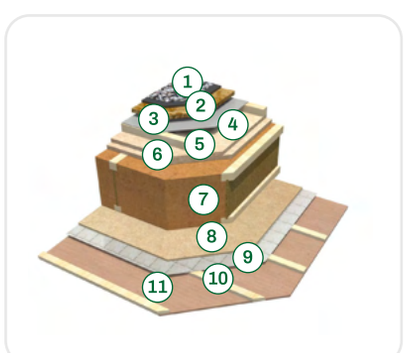
ISOmodul Insulation is a thick 50 mm woodfibre insulation material that is impregnated with natural paraffin wax. This ensures improved moisture resistance and allows material also to be used in exterior layers of the construction. **ISOmodul** has compact dimensions for a better installation process.

With their natural composition and advanced design, **ISOmodul Insulation** board is a smart choice for sustainable and efficient construction and renovation for both commercial and residential buildings.

Usage

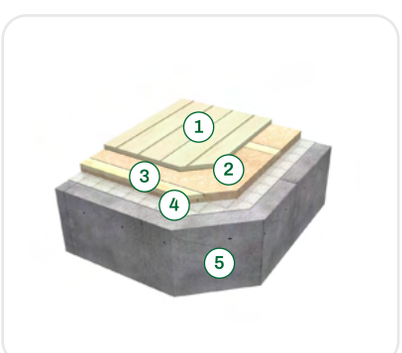
Plastered exterior wall:

1. Exterior plaster layers
2. **ISOmodul Insulation**
3. Battens
4. Building blocks
5. Vapour barrier
6. Battens
7. ISOTEX wall panels



Timber flat roof construction:

1. Roofing material
2. OSB board
3. Battens
4. Roof underlay
5. Battens
6. **ISOmodul Insulation**
7. Timber structure with insulation
8. ISOplaat Insulation
9. Vapour barrier
10. Battens
11. ISOTEX ceiling panels



Concrete construction floor:

1. Flooring material
2. **ISOmodul Insulation**
3. Battens
4. Vapour barrier
5. Concrete structure

Advantages of using ISOmodul Insulation

- **Effective sound and vibration reduction** for floors, walls, ceilings, roofs.
- **Excellent thermal insulation** for floors, walls, ceilings, roofs.
- **Increasing structural rigidity** as an insulation layer
- **Improved indoor climate** thanks to moisture and air vapour regulation
- **Saved resources** through saving and storing CO_2, woodfibre is a carbon-negative material, reducing the building's overall CO_2 footprint

Easy to handle | **Thermal insulation** | **Noise reduction** | **Natural design** | **Saving resources**

Technical data

Thickness (mm)	50	50
Width (mm)	625	600
Length (mm)	1200	1200
Boards on pallet (pc)	63	63
Amount on pallet (m^2)	47,2	45,3
Density (kg/m^3)	≥240	≥240
Thermal conductivity (W/mK)	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,5	≥1,5
Weighted sound reduction index Rw (dB)	27	27
Reaction to fire	Class E	Class E
Edge profile	Half lap	Straight

* Produced according to standard EN 13986:2004

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ISOTEX ceiling

Interior Panels

- Quick and easy to install
- Breathable, warm, and eco-friendly
- Perfect for renovations
- Excellent heat insulators

ISOTEX panels provide an ideal solution for both new developments and renovation projects as a quick and clean ceiling decoration solution. Pre-covered with a decorative layer, **ISOTEX panels** require no additional finishing. The panels can be installed using glue or staples directly onto various surfaces, such as wood, wood panels, or gypsum board. They can also be applied to uneven surfaces like stone, plaster, or concrete.

ISOTEX panels are excellent heat insulators. Utilisation of **ISOTEX panels** also increases the temperature of the wall surface. The properties of the fibreboard structure significantly improve the sound environment of the rooms, preventing the entry of external noise and suppressing the noise and echo generated in the room.

Interior panel finishing

Alaska

Nordic

Advantages of using ISOTEX Interior Panels

- **Superior Thermal Insulation**: Comparable to 12 mm loose wool, 44 mm wood, 210 mm red brick, and 450 mm concrete, **ISOTEX panels** provide excellent thermal insulation, reducing indoor temperature fluctuations.
- **Enhanced Sound Environment**: The wood fibreboard structure significantly improves room acoustics by blocking external noise and reducing echoes, with an average airborne noise insulation of 22 dB.
- **Easy Installation**: Lightweight and user-friendly, **ISOTEX panels** can be installed by one person without special tools or advanced skills. A simple construction knife, pencil, tape measure, and staple gun or assembly glue are all you need.
- **Eco-Friendly and Healthy**: Made from natural wood, **ISOTEX panels** are biologically clean and offer a sustainable alternative to foam plastic and fibreglass insulation materials, contributing positively to human health and wellbeing.

Technical data

Thickness (mm)	12
Width (mm)	280
Length (mm)	1800
Panels per package (pc)	8
Package surface area (m^2)	4,03
Packages per pallet (pc)	48
Pallet surface area (m^2)	193,44
Density (kg/m^3)	≥240
Thermal conductivity (W/mK)	≤0,049
Sound absorption (a_w)	≥0,10
Reaction to fire	Class D-s1, d0
Edge profile	Tongue & Groove

* Produced according to standard EN 13171:2012

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WAX board
Joint-filler

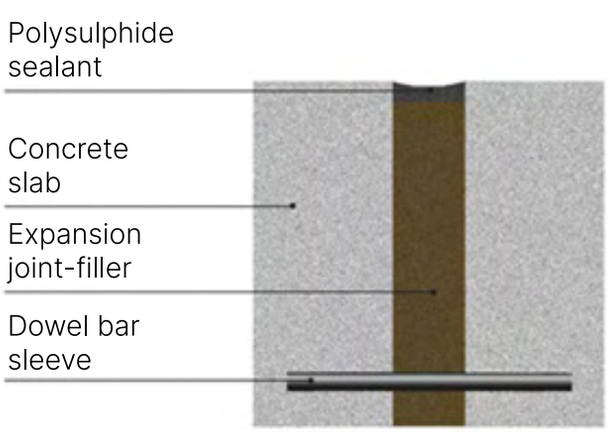
- Expansion joint-filler
- Easy to use
- Premium quality
- Low CO_2 footprint

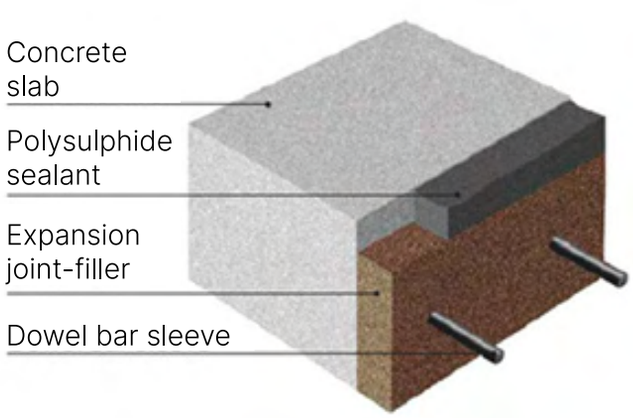
WAXboard is an expansion joint-filler for concrete elements used in civil engineering and construction projects such as roads, bridges, concrete structures, industrial and residential buildings and projects.

Future urban planning requires sustainable and ecological solutions. **WAXboard** is a low carbon footprint alternative to non-ecological joint-filler materials such as polyethylene foams and bitumen boards that contribute negatively to the carbon footprint of civil engineering and construction projects.

WAXboard is an ideal product for commercial and residential real estate developers and infrastructure engineering companies looking to reduce their carbon footprint by integrating ecological and sustainable solutions into their designs.

Usage





Additional areas:

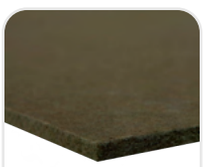
- Concrete pavements and floors
- Roads, ramps, pedestrian areas and runways
- Concrete retaining walls and bridges
- Reinforced concrete structures

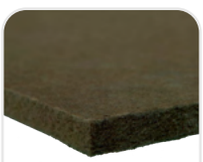
Advantages of using WAXboard

- **Clean and easy** to cut and handle, no harmful waste on worksite
- **Waxboard** is manufactured according to **highest quality standards**
- **A natural alternative** to materials like bitumen, rubber and polyethylen foams
- **Naturally engineered** based on woodfibre softboards and paraffin wax to **improve moisture resistance**
- **Carbon-negative material**, reducing the overall CO_2 footprint

Easy to handle | **Saving resources** | **Natural design** | **Low CO_2 footprint** | **Premium quality**

Technical data





Thickness (mm)	12	25
Width (mm)	1200	1200
Length (mm)	2440	2440
Boards on pallet (pc)	95	45
Amount on pallet (m^2)	278,1	131,7
Density (kg/m^3)	≥240	≥240
Thermal conductivity (W/mK)	≤0,049	≤0,049
Bending strength (N/mm^2)	≥1,2	≥1,0
Compression recovery (%)	87	85
Reaction to fire	Class E	Class E
Edge profile	Straight	Straight

* Produced according to standard EN 13986:2004

PEFC Certified
Nordic Fibreboard Ltd OÜ offers PEFC certified products
PEFC/19-31-32
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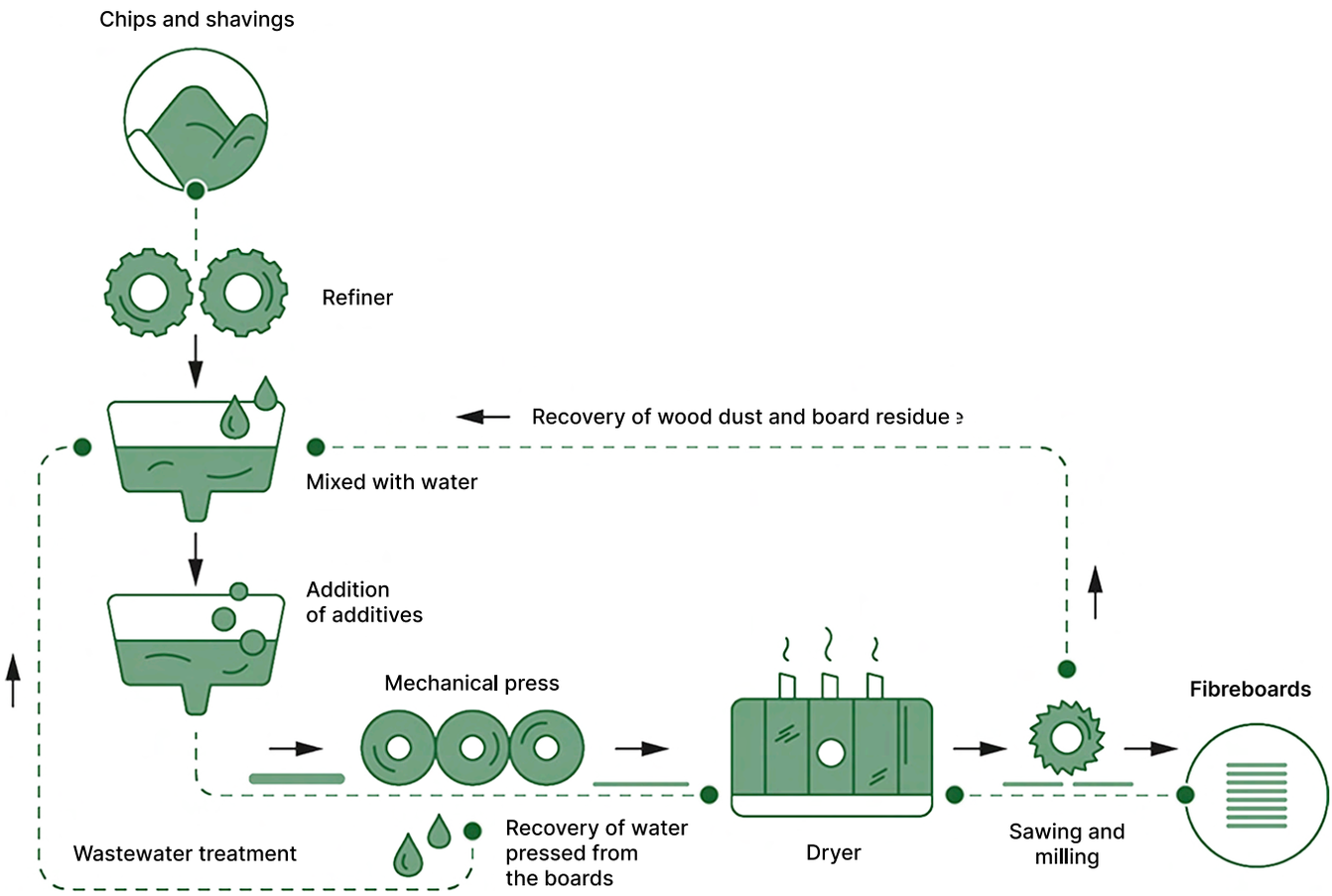
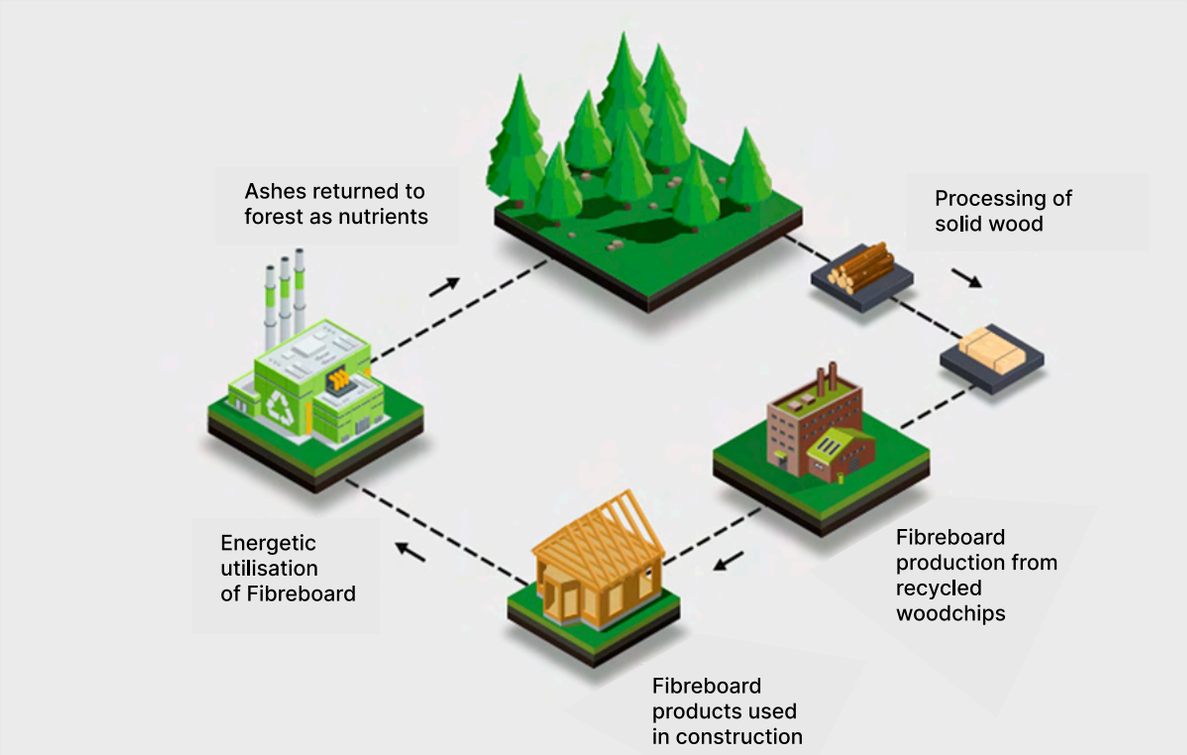


Production method

Our manufacturing process employs a wet production method, wherein the wood fibres undergo a thermomechanical defibration process. The fibres are formed into boards while still wet, and the final product is then dried. The natural resin found in the wood, often referred to as “nature’s glue,” acts as a natural binding agent, eliminating the need for additional adhesives. This results in products that are not only highly natural and healthy but also entirely glue-free.

Nordic Fibreboard uses the wet production method, which allows us to produce products that are:

- **Healthy** – No harmful or chemical microparticles
- **Sustainable** – Engineered and designed naturally, woodfibre is a carbon-negative material, reducing the building’s overall CO_2 footprint
- **Ecological** – Clean and easy to cut and handle without harmful or unhealthy waste
- **Biodegradable** – Engineered and produced naturally, making natural softboard a biodegradable product
- **Recyclable** - Reducing waste and preserving the planets natural resources



Sustainability and quality

At Nordic Fibreboard, sustainability and quality are at the heart of our operations. We are committed to producing high-quality wood fibre products while minimising our environmental impact. Our materials are sourced from sustainably managed forests, and our use of natural wood resin as a binding agent ensures our products are both eco-friendly and glue-free.

Our dedication to offering our customers only the highest quality is backed by key certifications:

- **FSC and PEFC** Certification – Ensures responsible sourcing from sustainably managed forests
- **ISO 9001** Certification – Guarantees rigorous quality management
- **ISO 14001** Certification – Reflects our commitment to environmental responsibility
- **CE Marking** – Confirms compliance with EU safety and environmental standards

General storage and handling conditions

Storage

Fibreboard must be protected from moisture, dirt, crumbling, and scratches during storage. Air circulation between the boards must be ensured during the storage period. If water condenses under the protective coating of the board during the storage period, the protective coating must be opened to improve ventilation. The boards must always be stored on a dry, strong, and level surface so that they do not come into contact with the ground and no deformations or defects occur that damage the appearance of the boards.

Handling

The moisture content of fibreboard changes with the relative humidity of the surrounding air. As a result, the dimensions of the boards may change slightly. This is generally characteristic of wood products.

To minimise such dimensional changes, the boards should be acclimatised in conditions as close as possible to the final installation environment for 1–3 days before installation. For ventilation, the boards can be placed on edge and supported, for example, against a wall and laths placed between the boards so that air can circulate freely between the boards.

After installation, the boards must be protected from direct weather exposure (rain, slush, snow, etc.) and covered with a facade cladding material within 7 days to ensure the properties of the material and permanent protection.

The construction designs, joint solutions, drawings, and work operation descriptions featured in this construction product catalogue are intended to provide general guidance and recommendations to assist architects, builders, and contractors. The selection of constructions and solutions suitable for a specific building and its intended use remains the sole responsibility of the architect, designer, or contractor. Nordic Fibreboard accepts no liability for the decisions made by the architect/designer/contractor or for the quality of work carried out by the builder. The end client is responsible for analyzing the suitability of the materials, and neither the manufacturer nor the seller is liable for this. The end client must also ensure proper storage of the materials.

NORDIC
FIBREBOARD

NORDIC FIBREBOARD Ltd OÜ

Rääma 31, 80044 Pärnu, Estonia
Reg. Code: 12503545
VAT: EE101652014

+372 445 1800
info@nordicfibreboard.com
www.nordicfibreboard.com