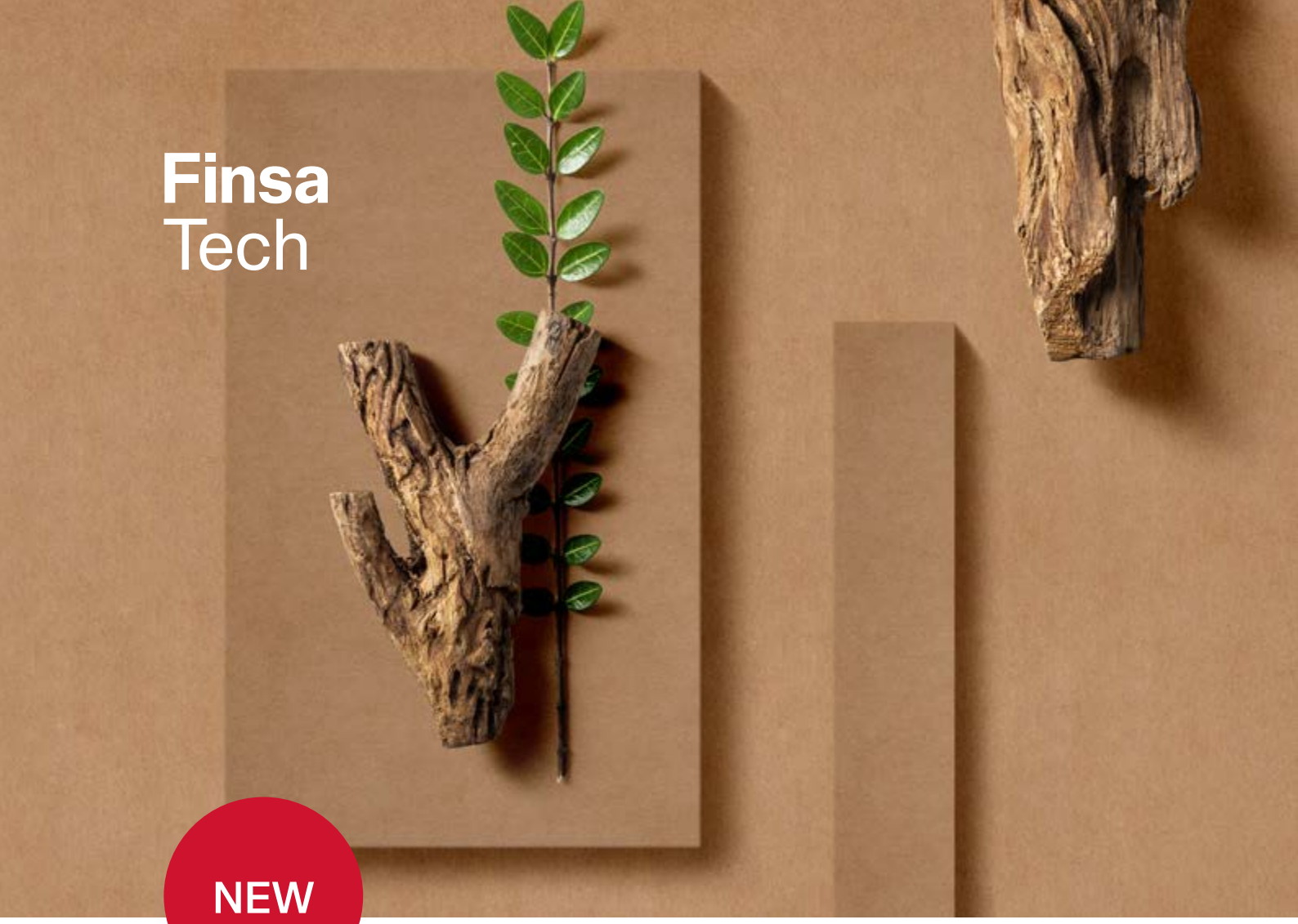

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NEW

Fibrapan Bio

Fibreboard made of adhesives from natural sources from the bark of the tree itself

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Fibrapan Bio

with 100% bio adhesives

Bio content greater than 99%

NAF Adhesive formaldehyde free

Moisture resistant (V100)

Fibrapan Bio is a fibreboard manufactured with biological adhesives, obtained from the bark of the tree itself, and with a paraffin of vegetable origin that allows to obtain a fibreboard with a natural composition of greater than 99%. It is a board **suitable for applications in humid environments (Service class 2)**.

Manufactured with local wood from sawmill byproducts and responsibly managed forests, with PEFC/FSC certification.

Fibrapan Bio is a sustainable, healthy and responsible alternative that uses an adhesive that does not interfere with the food chain.

Fibrapan Bio is manufactured using Finsa's exclusive SIPS (Steam Injection Press System) technology, which allows the rapid curing of bio resin and a thorough control of the density profile and moisture distribution..

Adhesives formulated from tannins extracted from the bark of the tree itself, **without added formaldehyde or isocyanates** and without raw fossil materials

More Advantages

It provides excellent surface quality in machining and low abrasivity, facilitating transformation processes, such as lacquering, and reducing tool wear.

- From renewable plant sources that do not compete or interfere with the food chain
- Healthy (Reach 100% safe)
- Low absorption in lacquering processes
- Same emission levels as solid wood
- Good surface in deep machining and routing

Recommended Use

Fibrapan Bio is an ideal product for the furniture industry and construction.

Kitchens:
Kitchen fronts and worktops.

Bathrooms:
Furniture, room dividers, suspended furniture.

Offices:
Desks and furniture

Home:
General furniture

Interior design for retail and hospitality:
Counters, bars and furnitures

Certifications

BREEAM® LEED

PEFC PEFC/14-35-00006 www.pefc.org

FSC www.fsc.org FSC® C041397 The mark of responsible forestry

INTERNATIONAL WELL BUILDING INSTITUTE™

LIVING BUILDING CHALLENGE™

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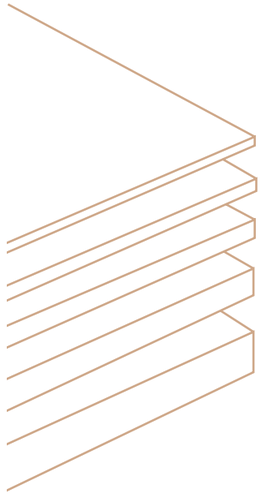
Availability

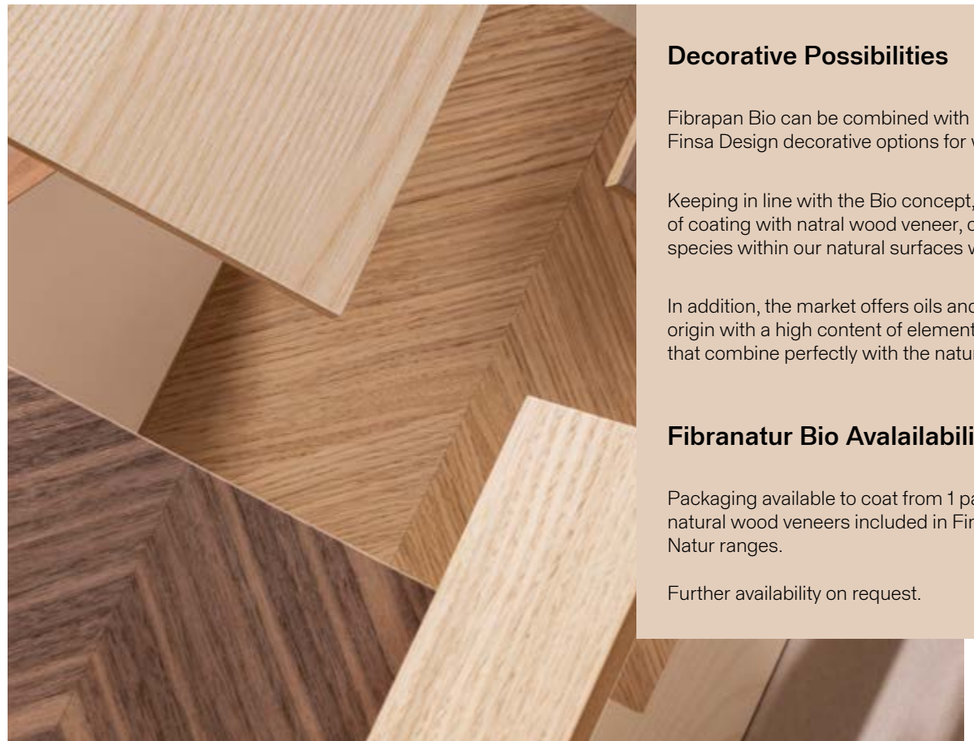


Fibrapan Bio

Pallet availability per board size:

Formats (mm)	Thickness (mm)	
	18	19
2440 x 1220	40 boards/pallet	
3050 x 1220	40 boards/pallet	
2850 x 2100		28 boards/pallet

Possible thickness: 16 to 38 mm.



Decorative Possibilities

Fibrapan Bio can be combined with any of the existing Finsa Design decorative options for wood derived boards.

Keeping in line with the Bio concept, we highlight the option of coating with natral wood veneer, offering a wide variety of species within our natural surfaces with Fibranatur Bio.

In addition, the market offers oils and varnishes of organic origin with a high content of elements of vegetable origin that combine perfectly with the nature of this board

Fibranatur Bio Avalailability

Packaging available to coat from 1 package with any of the natural wood veneers included in Finsa's Natur and Studio Natur ranges.

Further availability on request.

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Technical Data

Properties	Test	Thickness (mm)			Unit
		16/19	>19/30	>30/38	
Density (*)	EN 323	720/700	700/680	680/655	kg/m^3
Internal bond	EN 319	0,75	0,75	0,7	N/mm^2
Bending strength	EN 310	24	22	21	N/mm^2
Modulus of elasticity	EN 310	2400	2300	2300	N/mm^2
Swelling in water 24 h	EN 317	8	7	7	%
Dimensional movement length/width	EN 318	0.3	0.3	0.2	%
Dimensional movement thickness	EN 318	5	5	4	%
Surface traction	EN 311	1.2	1.2	1.2	N/mm^2
Surface absorption (both sides)	EN 382-1	> 150	> 150	> 150	mm
Moisture content	EN 322	7+/-3	7+/-3	7+/-3	%
Accelerated aging test (option 2). Internal traction after cooking test (v100)	EN 1087-1/ EN 319	0.12	0.12	0.10	N/mm^2
Silica content	ISO 3340	≤ 0.05	≤ 0.05	≤ 0.05	% peso
Formaldehyde emissions	EN 717-1	≤ 0.05	≤ 0.05	≤ 0.05	ppm
Reaction to fire Table 8 UNE EN 13986:2006+A1:2015	EN 13501-1	D-s2, d0(**)	D-s2, d0	D-s2, d0	Clase
Coefficient sound absorption (A) (250 A 500 HZ)	UNE EN 13986:2006+ A1:2015	0.1	0.1	0.1	α
Coefficient sound absorption (A)(1000 A 2000 HZ)	UNE EN 13986:2006+ A1:2015	0.2	0.2	0.2	α
Thermal conductivity	UNE EN 13986:2006+ A1:2015	0.12	0.11	0.11	W/(m·K)
Sound insulation against aerial noise (R)	UNE EN 13986:2006+ A1:2015	28	30	32	db

(*) This data is considered indicative.

(**) Mounted without an air gap behind the Fibrapan Bio, or with a closed air gap behind the Fibrapan Bio for thicknesses equal or greater than 15 mm or with an open air gap behind the Fibrapan Bio for thicknesses equal or greater than 18 mm. Mounted with a closed air gap not more than 22 mm behind the Fibrapan Bio classification D-s2,d2 in thicknesses between 10 mm and 18 mm. Commission Decision 2007/348/EC.

This board is a low formaldehyde emission product E05 (≤ 0.05 ppm EN 717-1) and meets Class E1 requirements as defined in EN 622-1 European Standard.

Fibrapan Bio is manufactured with formaldehyde-free resins. (NAF)