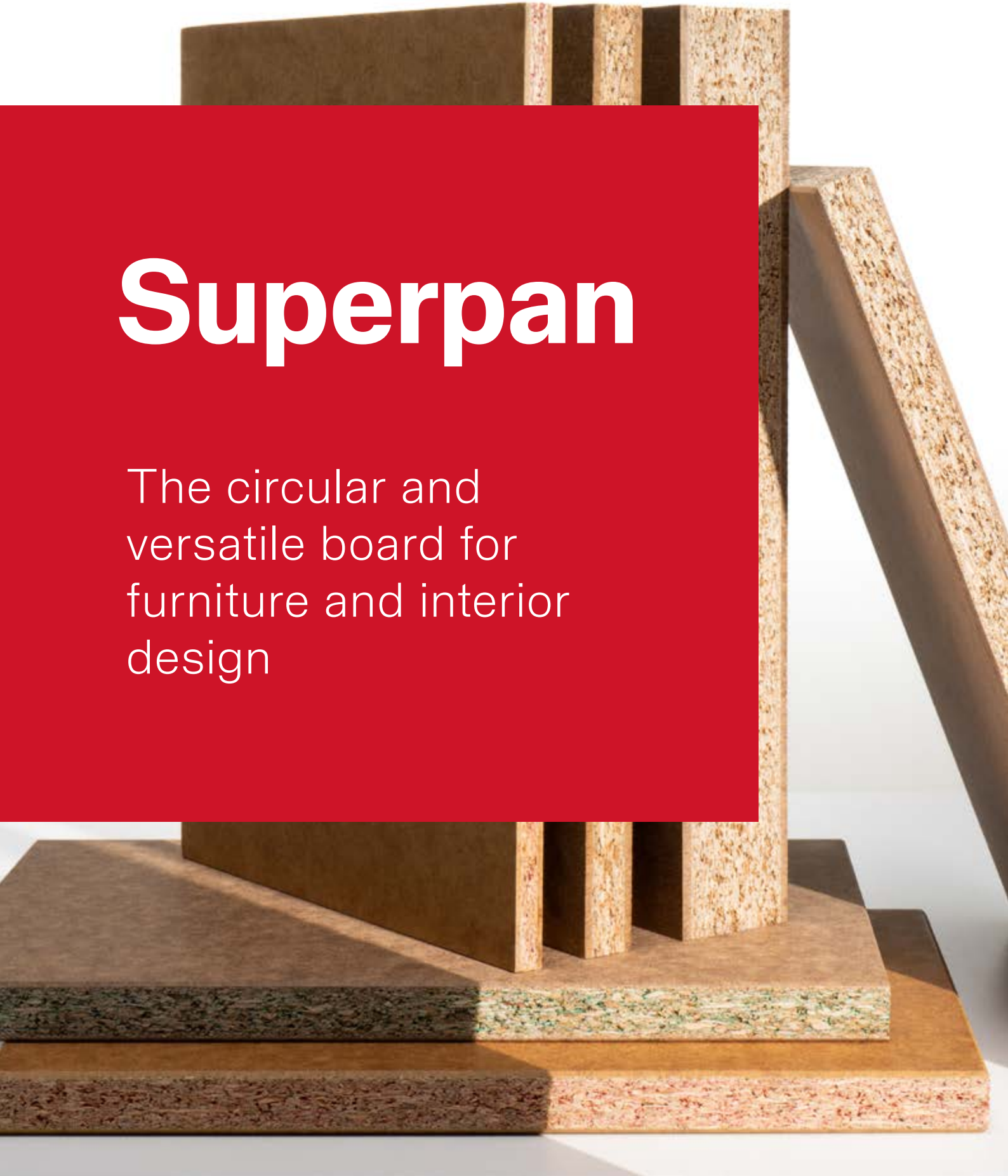
Finsa
Tech

Superpan

The circular and versatile board for furniture and interior design



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A versatile board that combines the properties of a chipboard core with fibre faces: key to an excellent finish and resistance. Recycled and 100% recyclable.

Index

1. Superpan

A new generation of board.

Product

Superpan is an innovative board with a unique composition that is different from the rest of the conventional boards on the market.

A new generation of technical wood manufactured by Finsa through a continuous pressing process.

Superpan is a board made up of wood fibre faces and a particle interior that combines some of the main advantages of MDF and chipboard boards. Its outstanding physical-mechanical properties make Superpan a highly versatile board suitable for multiple applications.

Technical properties on an exclusive board

Composition

By pressing the layers together we obtain synergies that give the product great stability and high performance.

Wood fibre:
wood fibre layer that provides an excellent surface finish.

Fine particle:
Fine particle layer that gives it greater stability and helps to have a high quality surface.

Coarse particle:
Agglomerate core of large particles that provide structural resistance.

Properties

Superpan is a board with high-performance technical properties that position it as the ideal board in a multitude of processes and applications.

- Cutting perfection
- Flat surface with low absorption
- High resistance to loads
- Wide range of coverings
- Excellent behavior in fixings
- High impact resistance
- Excellent quality/cost ratio
- Good machining behavior

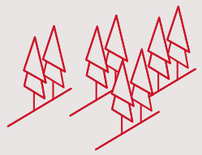
2. Sustainability

Superpan is a sustainable material, which incorporates a high percentage of recycled wood in its composition and is 100% recyclable at the end of its useful life.

It is a board that contributes to the circular economy due to its reusable, renewable materials, which fixes CO_2 and with low formaldehyde emissions.

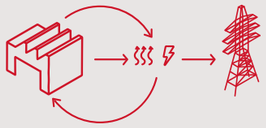
It is made with local wood from certified and responsibly managed forests, with up to 40% recycled material to which we give a new life, betting on the circularity of the material and contributing to upcycling.

Sustainable forest management



Local resources

Optimization of processes



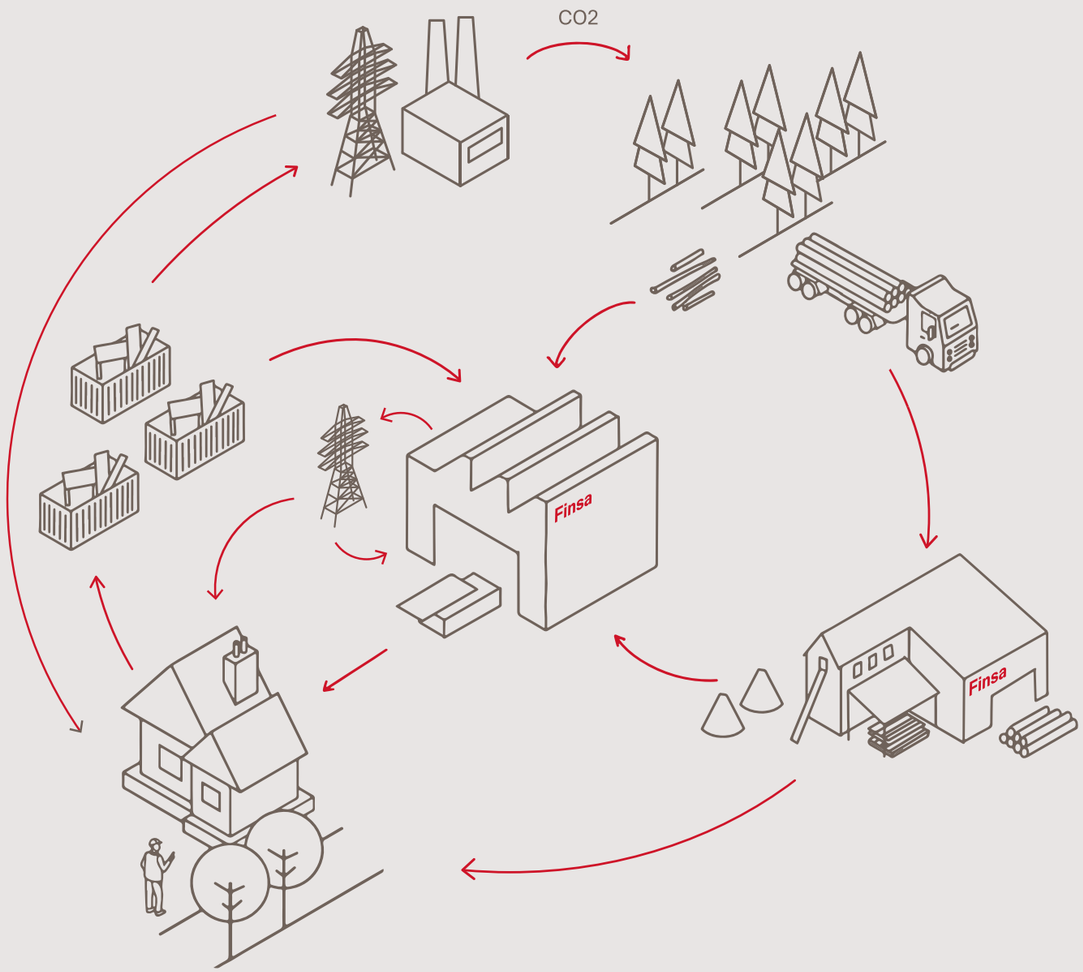
Long service life product

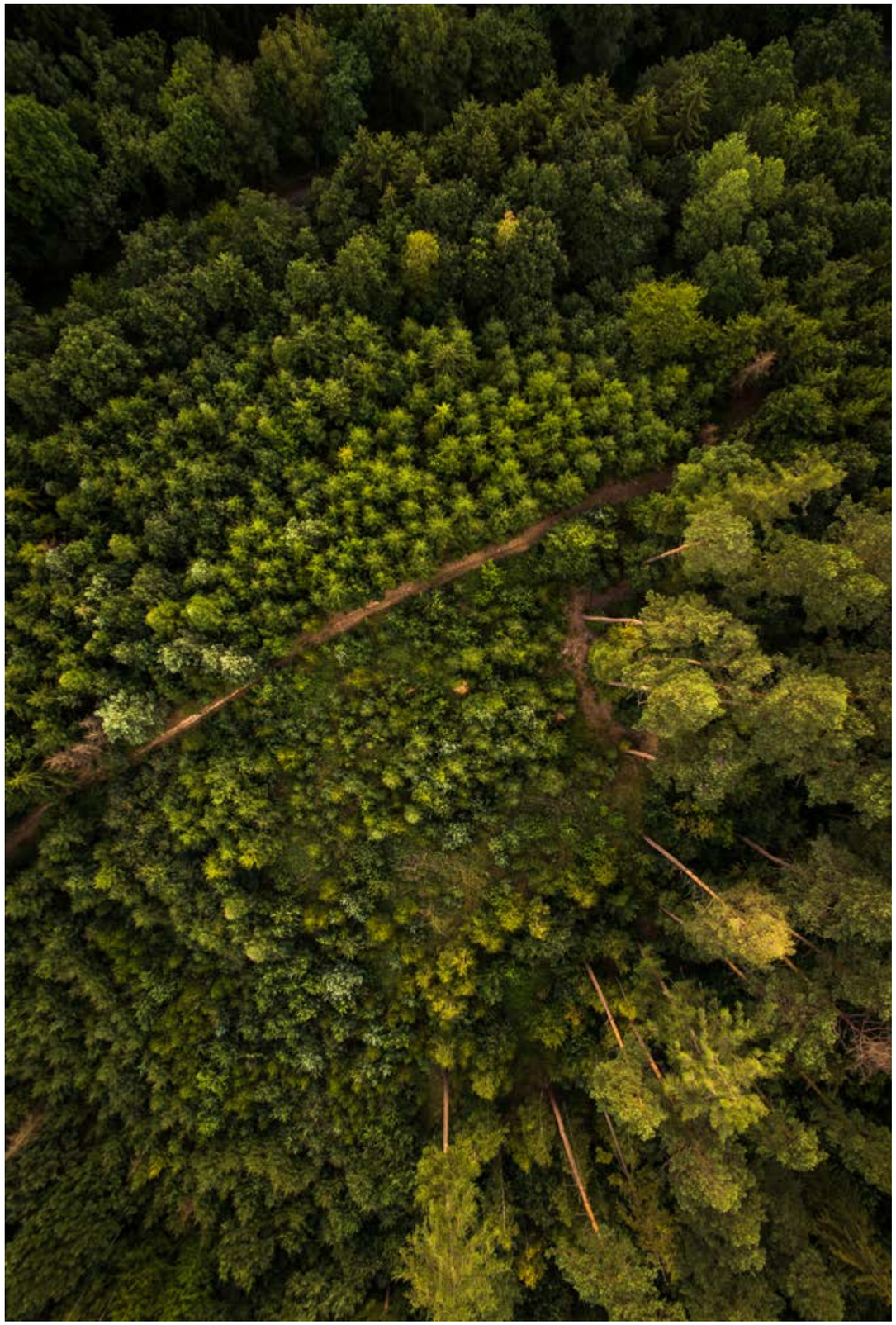
100% recyclable

Circularity: 100% upcycling

Superpan

A circular 100% recyclable versatile board





Certifications

Environmental Product Declaration
Document that communicates the environmental impact of a material during its life cycle, from the raw material extraction process, transport to the manufacturing plant and product manufacturing process.

Cradle to Cradle
Multi-attribute certification, directly linked to Sustainable Development Goals (SDGs), demonstrating that a product is safe and circular.

The Material Health Certificate
This is a materials analysis based on the Cradle to Cradle standard health assessment methodology. This certification seeks to promote healthier and safer products.

Forestry Certifications

PEFC
PEFC chain-of-custody certification provides a verified and independent guarantee that products with the PEFC label contain certified forest material from sustainably managed forests.

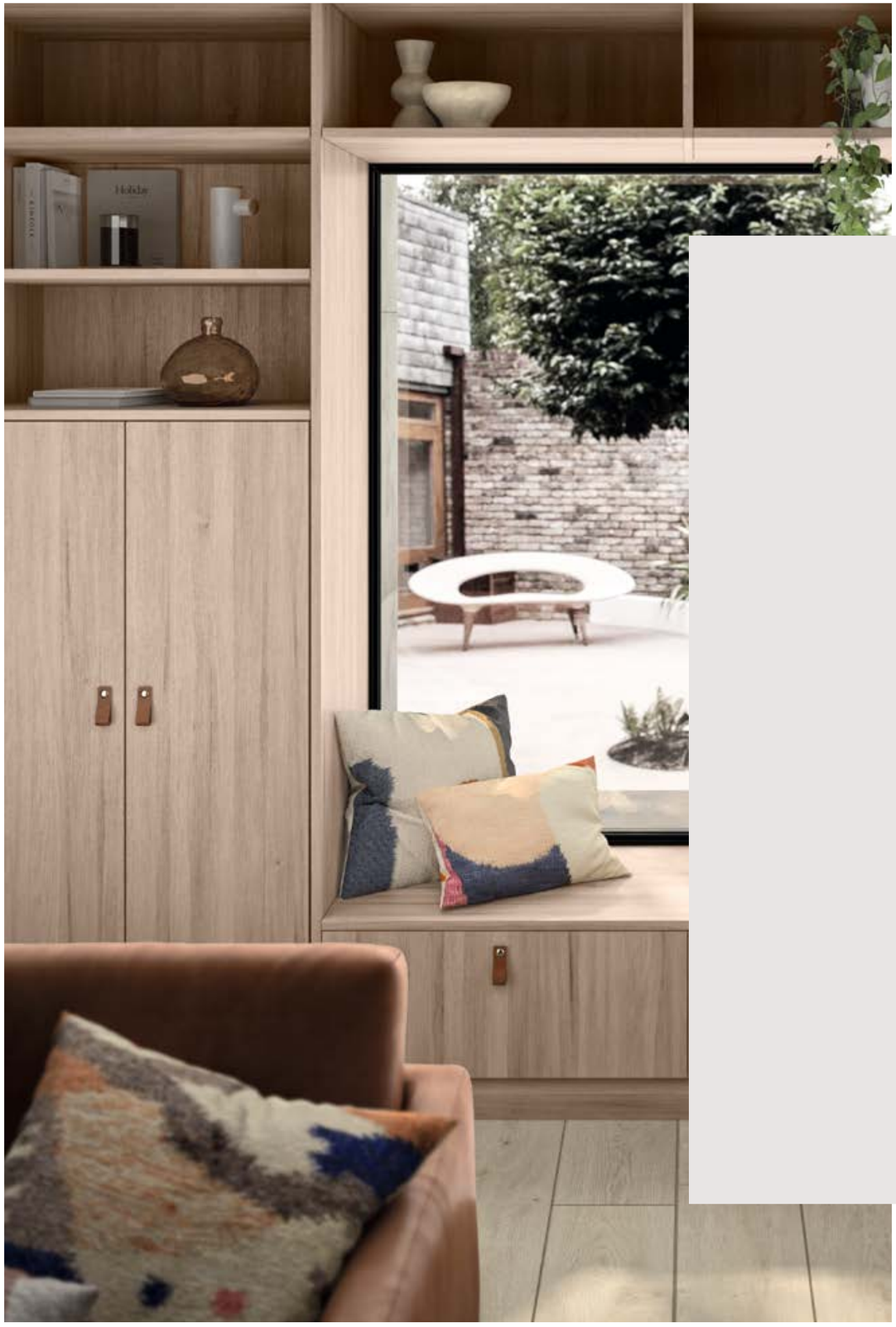
FSC®
We have implemented a FSC® chain of custody certification system that allows us to supply certified wood products to customers which are 100% recyclable and contribute greatly to the fight against climate change. This forestry certification promotes certified wood, and to this end we certify our farms and help our suppliers achieve certification.

EUTR
As a sign of transparency, we voluntarily certify compliance with EU regulation 995/2010 regarding the legal origin of wood.

ISO 38200
This is an internationally recognised standard for the transmission of information along the supply chain of wood and wood-derived products.

Sustainable building certifications

BREEAM, LEED, WELL and LBC
Our wood solutions help meet the requirements of sustainable building certifications.



3. Applications

Flexibility and versatility of applications

Furniture and interior design

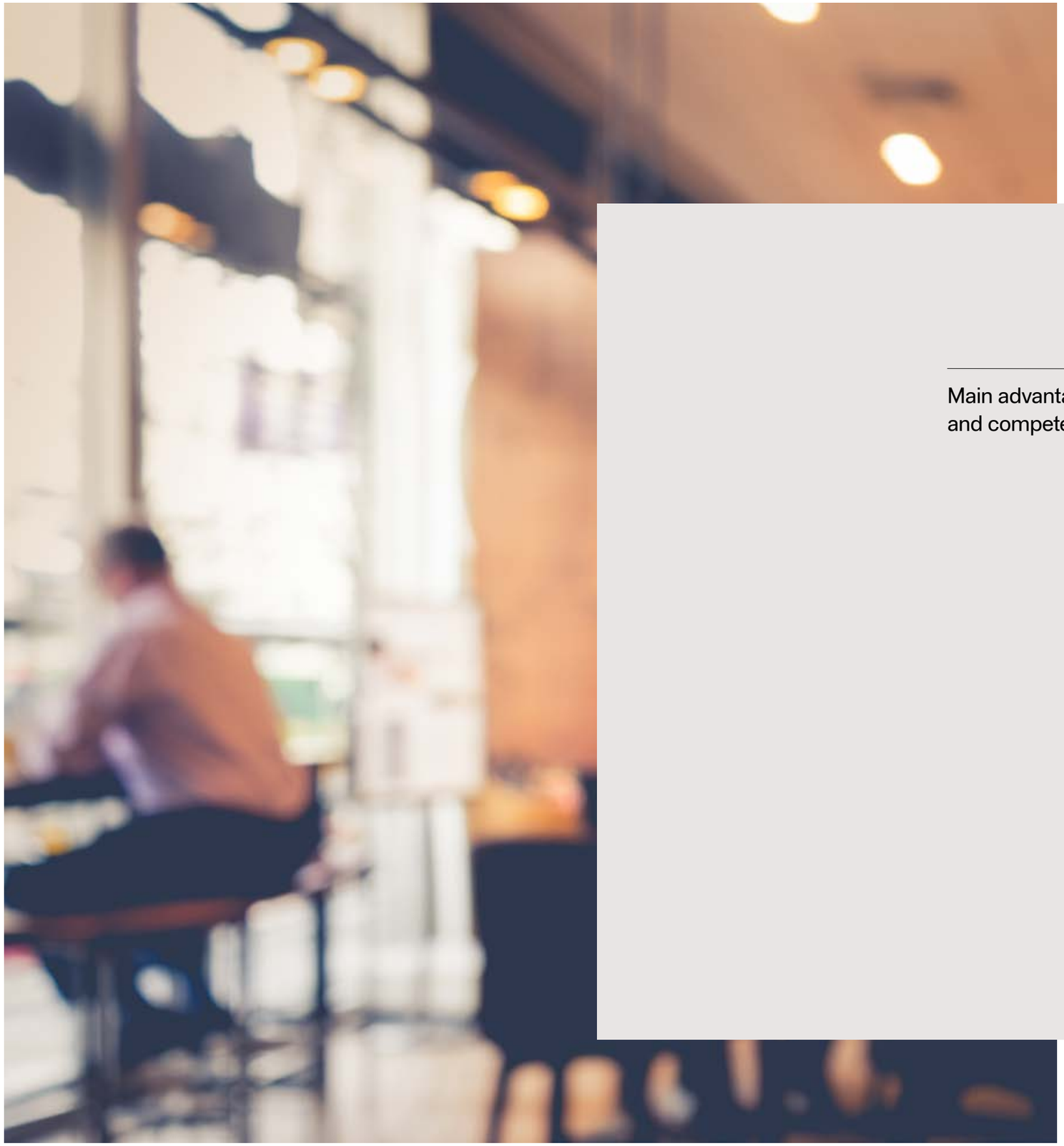
The Superpan range offers new solutions for furniture manufacturing and interior decoration applications.

Thanks to its high performance, this exclusive panel offers the industrial carpenter the possibility of achieving improved technical solutions, with the aim of increasing the efficiency of manufacturing processes and obtaining greater profitability.

Whether bare for a subsequent painting or coating process, with decorative papers or veneered, Superpan opens up new perspectives and wide creative possibilities in this field.

The special properties and above all its great versatility make Superpan a reference product both in the interior decoration sector and in ephemeral architecture.

An innovative product that provides flexibility and versatility of application and offers differential value in a multitude of projects.



4. Advantages

Main advantages and competences

The markets are increasingly competitive. It is hard to stand out and differentiate yourself from the competition. Superpan, through its outstanding properties, opens up endless possibilities to offer new approaches and seek new positions.

Superpan is a proven product that has demonstrated its full potential with guarantees.

Factors such as productivity, efficiency, trust, quality, but also optimization of costs and processes, are attributes that take on special relevance in the use of the Superpan.

We are convinced that for the industrial or the carpenter it can represent a differential value both in their processes and in the value that they manage to offer their final customer.

Experience shows us that the user can get a lot out of it and can obtain great competitive advantages to boost their business.

Throughout the following pages, we invite you to learn how Superpan can help you differentiate yourself and how it can add value to all elements of the furniture and interior design value chain.

Advantages from all points of view

High-performance and differentiating boards

Distribution

- A technically advanced, innovative and patented product.
- Allows for differentiation.
- Loyalty to the user and professional.
- Complete range.
- Versatile and flexible for a multitude of applications and user profiles.
- High rotation product.
- A brand that conveys reliability and trust.

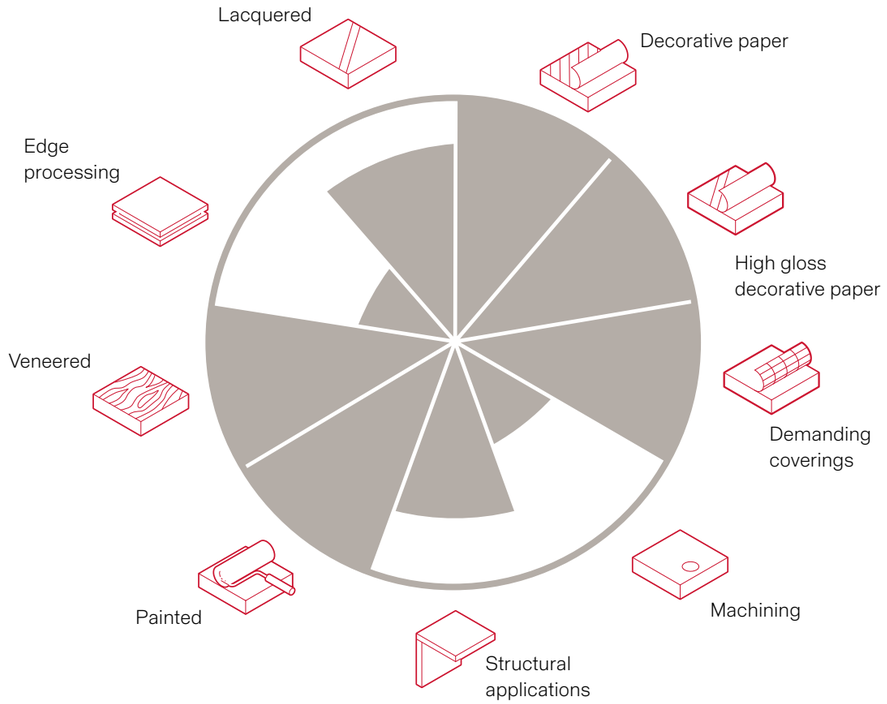
Industry

- Perfect board cut.
- Extends the useful life of cutting tools.
- Drilling and machining of the highest quality.
- Wide range of designs and finishes.
- It allows differentiation and quality at a competitive cost.
- More perception of value by the end customer.
- Innovative product that allows differentiation from the competition.
- Solutions tested with guarantees.

End user

- Better general finish and quality of the furniture.
- Greater general robustness of the furniture and durability.
- Greater load capacity on the shelves.
- Greater resistance to impacts on mitered edges.
- Greater resistance to surface impacts.
- Excellent surface quality.
- Multitude of decorative and design possibilities (Duo, Studio, Natur...).

4.1. Benefits in processes



High performance in industrial processes

The potential of Superpan comes from how it behaves in different industrial processes.

Analyzing up to 9 of the most common processes in a user, particle board covers only the most basic requirements.

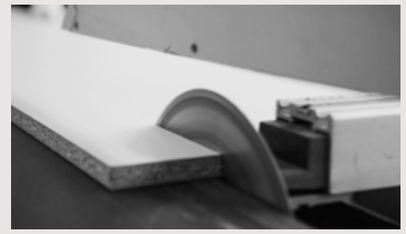
Superpan not only improves its behavior in the same techniques, but also allows its use in more demanding processes, approaching fibreboard.

From an economic point of view, it presents an excellent relation between the cost and the value that it provides to the users.

Machining

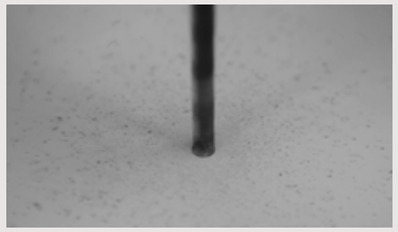
Clean cuts - chipping

Superpan covered with decorative paper allows a clean and perfect cut, avoiding the traditional problem of chipping.



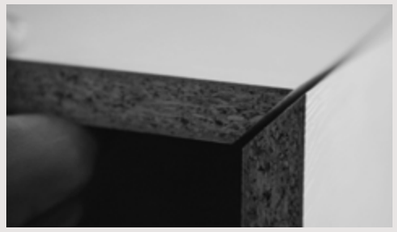
Drilling

The drills are perfect and resistant at their ends, avoiding chipping, especially at the drill outlets.



Miter joints

It allows high-quality miter joints thanks to the greater material stability at the edges.



Postforming

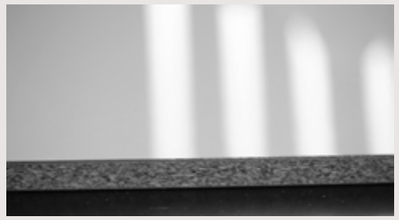
It allows postforming in very small radii without the need for barrier paper and guarantees superior resistance in this application.

The Superpan Top and Star Top versions allow machining up to 4 mm deep.

Coverings

High gloss and lacquered applications

Raw or covered with decorative paper (edge banded) Superpan is an ideal board for manufacturing lacquered furniture, with decorative papers and demanding coverings such as PETS, HPL, High Gloss,...



4.2. Benefits of the final product

The best quality and most durable furniture

Excellent quality of furniture finish

Perfect cuts and drills

Superpan offers a superior overall finish quality. This is reflected in small details such as: clean cuts on cabinet shelves, better edging, machining and perfect drilling.

Better resistant to surface impacts

Surface impact

The fibre faces allow furniture made with Superpan to have greater impact resistance, avoiding damage caused by daily use such as objects falling on a table top.

Better resistant in day to day use

Impact on the edges

The edges, especially those made in miter, are more resistant thanks to the outer layer of fibres. This offers greater protection against small bumps that occur in everyday use.

Stronger and more durable shelves

Bending strength

Thanks to its excellent technical properties, shelves made with Superpan can support more weight without suffering from warping.

A better, more durable surface

Surface quality

Both in lacquered furniture and in film coverings (PET, finishfoil, HPL...) Superpan provides flatness and stability on the surface that will be maintained over time.

Higher quality furniture at a competitive price

Cost/quality ratio

From an economic point of view, Superpan presents an excellent relation between the cost and the value that it provides to its users.

5. Product range

Superpan (E-Z)

Superpan is a wood based board composed of wood fibre faces and particle interior for general use in dry environments.

Decorative possibilities

Duo
Decorative surface

Studio
Decorative surface with deep and synchronized textures

Topglass
Mirror-gloss surface and glass-effect etched glass

Natur
Natural veneer decorative surface

Main features STD Standard EZ Available E-Z	Board composed of wood fibre faces and particle interior suitable for general use in a dry environment. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings with all the advantages of Superpan boards. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Covering with decorative papers or natural veneer, lacquer, paint, print, postforming, etc.
Applications	Furniture in general, doors, countertops and other components of kitchen furniture and interior doors.
Areas of use	Residential, hospitality and retail.
Product possibilities	Available in thicknesses between 8 and 45 mm. E-Z: Available between 8 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry PEFC PEFC/14-34-00016 www.pefc.org CERTIFIED cradle to cradle PRODUCTS PROGRAM

Superpan Four Stars

Superpan is a wood based board composed of wood fibre faces and particle interior for general use in a dry environment, with a very low formaldehyde content certified by JIS.

Main features STD Standard	Board composed of wood fibre faces and particle interior suitable for general use in a dry environment. It presents a smooth and compact surface of fibres suitable for a wide range of decorative coverings that combines all the advantages of Superpan boards with a very low formaldehyde emission, similar to that of natural wood with JIS certification. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. Complies with formaldehyde emission regulations JIS **** JAPANESE MLIT.
Recommended for processes	Covering with decorative papers or natural veneer, lacquer, paint, print, postform, etc.
Applications	Furniture in general, doors, countertops and other components of kitchen furniture and interior doors.
Areas of use	Residential, hospitality and retail.
Product possibilities	Available in thicknesses between 8 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry PEFC PEFC/14-33-00006 www.pefc.org

Superpan Plus (E-Z)

Superpan is a board derived from wood composed of 1.5 to 2 mm thick wood fibre faces and an interior of particles for general use in dry environments.

Decorative possibilities

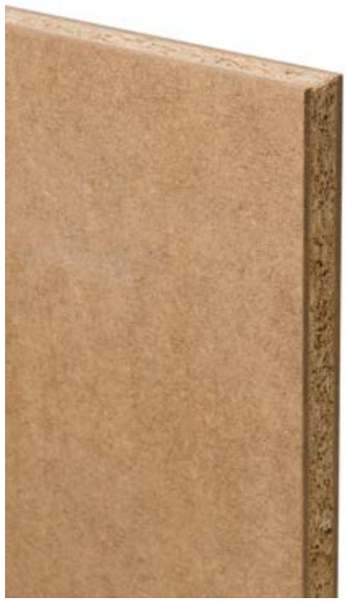
Technical Mat
Anti-fingerprint ultramatt decorative surface for horizontal use

Main features **STD** Standard **EZ** Available E-Z	Board composed of 1.5 to 2 mm thick wood fibre faces and particle interior suitable for general use in a dry environment. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings with all the advantages of Superpan boards. Its layer of fibres allows it to be postformed directly without the need for additional materials, such as barrier paper. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Postforming without barrier paper, very superficial machining, lacquering, printing, covering with decorative paper or natural veneer, etc.
Applications	General furniture and doors.
Areas of use	Residential, hospitality and retail.
Product possibilities	Available in thicknesses between 15 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry PEFC

Superpan Suprem (E-Z)

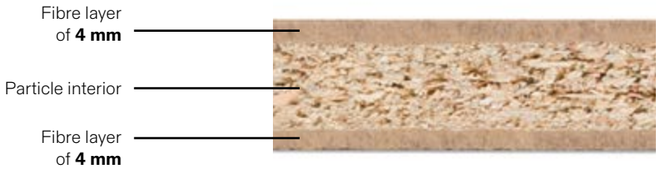
Superpan is a wood based board composed of 2.5 mm thick wood fibre faces and particle interior for general use in dry environments.

Main features **STD** Standard **EZ** Available E-Z	Board composed of 2.5 mm thick wood fibre faces and particle interior suitable for general use in a dry environment. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings with all the advantages of Superpan boards. Its fibre layer makes it a board suitable for demanding lacquers, improves the results of post-forming processes on faces and allows surface machining. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Postforming without barrier paper, surface machining, demanding lacquers, printing, covering with decorative papers or natural veneer, etc.
Applications	General furniture and doors.
Areas of use	Residential, workplace, hospitality and retail.
Product possibilities	Available in thicknesses between 18 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry PEFC



Superpan Top

Superpan is a wood based board composed of 4 mm thick wood fibre faces and particle interior for general use in dry environments.



Main features STD Standard · Ideal for milling · Specially for doors	Board composed of 4 mm thick wood fibre faces and particle interior suitable for general use in a dry environment. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings with all the advantages of Superpan boards. Its layer of fibres allows deeper machining on faces. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1.
Recommended for processes	Milling up to 4mm deep, lacquered, printed, covered with decorative papers or natural veneer, etc.
Applications	Doors.
Areas of use	Residential, workplace, hospitality and retail.
Product possibilities	Available in thicknesses between 25 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC

Superpan Moisture resistant (E-Z)

Superpan Moisture resistant is a wood based board composed of wood fibre faces and particle interior for use in humid environments.

Decorative possibilities

Duo
Decorative surface

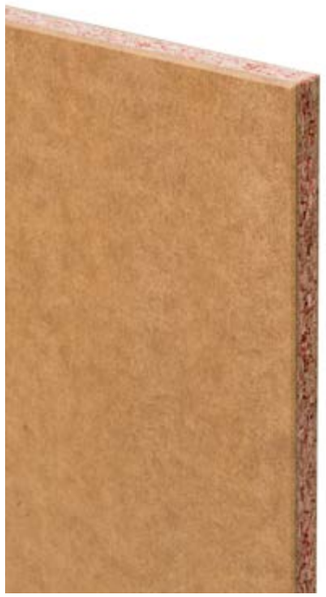
Studio
Decorative surface with deep and synchronized textures

The **Superpan H Deck** board uses a moisture resistant Superpan baseboard. This board is covered with a special film and a anti-slip finish to be applied to the floors of vans and indoor settings.

Main features Moisture resistant · EZ Optional E-Z	Board composed of wood fibre faces and particle interior suitable for indoor use in humid environments. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings, combining all the advantages of Superpan boards with greater resistance to humidity. Classified P3 (according to UNE-EN 312). Service class 2. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Covering with decorative paper or natural veneer, lacquer, paint, print, etc.
Applications	It is especially indicated for use in humid environments, kitchen and bathroom furniture, post-forming, countertops and roof bases.
Areas of use	Residential, hospitality and retail.
Product possibilities	Available in thicknesses between 8 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC · CERTIFIED cradle to cradle PRODUCTS PROGRAM

Moisture resistant · Tongue and groove · EZ Optional E-Z

Available:
Superpan Moisture resistant SA TG4 (E-Z)
Moisture resistant Superpan with very thick sanding and tongue and groove on all four sides.



Superpan Fire retardant E-Z

Superpan Fire retardant E-Z is a wood based board composed of wood fibre faces and particle interior with improved fire resistance for general use in dry environments.

Main features Fire retardant · Low on formaldehyde	Board composed of wood fibre faces and particle interior with improved fire reaction (B-s1,d0 / B-s2,d0), suitable for general use in dry environments. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings with all the advantages of Superpan boards. Reaction to fire according to EN 13501: B-s1,d0 from 12 mm and B-s2,d0 for thicknesses under 12 mm Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Covering with decorative paper or natural veneer, lacquer, paint, etc.
Applications	Wall and ceiling coverings, partitions and furniture, in industrial and public buildings, ephemeral architecture, etc.
Areas of use	Residential, hospitality, retail y workplace.
Product possibilities	Available in thicknesses between 8 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC · CERTIFIED cradle to cradle PRODUCTS PROGRAM

Superpan Star

Superpan is a lightweight wood based board composed of wood fibre faces and particle interior combined with a lightweight polymer for general use in dry environments.

Decorative possibilities

Duo
Decorative surface

Natur
Natural wood veneer decorative surface

Main features Lightweight	Lightweight board composed of wood fibre faces and wood particle interior combined with a light polymer suitable for general use in dry environments. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings, combining all the advantages of Superpan boards with less weight, offering a light, versatile and technically efficient solution. Weighing 20% less than a standard Superpan board, it has physical-mechanical properties similar to those of chipboard Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1.
Recommended for processes	Covering with decorative paper or natural wood veneer, lacquer, paint, etc.
Applications	Kit furniture, countertops and other components of kitchen furniture, furniture in general, interior doors, closet doors, dividing screens, fair stands, prefabricated buildings.
Areas of use	Residential, hospitality, retail y workplace.
Product possibilities	Available in thicknesses between 19 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC

Superpan Star Top

Superpan is a lightweight wood based board composed of 4 mm thick wood fibre faces and an interior of wood particles combined with a lightweight polymer for general use in dry environments.

Main features

Lightweight · Specially for doors · Ideal for milling

Lightweight board composed of 4 mm thick wood fibre faces and a particle interior combined with a light polymer suitable for general use in dry environments. It has a smooth and compact fibre surface suitable for a wide range of decorative coverings, combining all the advantages of Superpan boards with less weight, offering a light, versatile and technically efficient solution. Its layer of fibres allows deeper machining on faces.
Classified P2 according to UNE-EN 312
Service class 1.
Formaldehyde emission: Class E1.

Recommended for processes	Milling up to 4 mm deep, lacquered, painted, etc.
Applications	Doors.
Areas of use	Residential, hospitality, retail and workplace.
Product possibilities	Available in thicknesses between 35 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC

Superpan NAF

It is a wood based board made up of wood fibre faces and a wood particle interior suitable for use in a dry environment, manufactured with glues without added formaldehyde (NAF).

Main features

NAF
Without added formaldehyde

Board made up of wood fibre faces and a wood particle interior suitable for general use in a dry environment, manufactured with glues without added formaldehyde (NAF). It has a smooth and compact fibre surface suitable for a wide range of decorative coverings, combining all the advantages of Superpan boards with very low formaldehyde emissions due to the use of formaldehyde-free resins during its manufacture.
The Superpan NAF complies with the E05, EPA and CARB2 regulations.
Classified P2 according to UNE-EN 312.
Service class 1.
Formaldehyde emission: Class E1.
Superpan NAF has a NAF exemption from the California State Air. Resources Board (CARB) and US EPA TSCA Title VI.

Recommended for processes	Covering with decorative paper or natural veneer, lacquer, paint, print, postformed, etc.
Applications	Furniture in general, doors, countertops and other components of kitchen furniture and interior doors.
Areas of use	Residential, hospitality and retail.
Product possibilities	Available in thicknesses between 8 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC

Superpan Tech

Superpan range specially developed for structural applications. Due to its superior physical-mechanical properties, Superpan has a wide field of applications in construction.

Find out more at **finsa.com**

New

Superpan Evo E-Z

Superpan Evo E-Z is a new generation of Superpan board developed for applications with high surface demands.

The high performance panel with fibre surface, recycled and 100% recyclable

Advantages

- 100% recyclable and contains up to 40% recycled material
- Flat surface with low absorption and high resistance to humidity.
- Optimum surface machining +/- 2.5mm of fibres.
- Lightweight
- Good relationship between quality and price
- Perfect cuts and excellent behavior in fittings
- High resistance and load capacity to impacts
- EZ Low formaldehyde emission*

Recommended use

Kitchens:
Countertops and cabinet fronts.
Bathrooms:
Wardrobes, sliders, hanging furniture.
Office:
Countertops and cabinets.
Cabinets and home:
Cabinet fronts.
Interior design for hotels and commercial spaces:
Counters, bars, furniture, etc.

* Superpan Evo E-Z is a low formaldehyde emission product, complies with E05 (≤0.05 ppm EN 717-1) and achieves CARB2/EPA certifications.

Main features EZ Low formaldehyde emission	Superpan Evo E-Z is a board with a high performance fibre surface and high moisture resistant., suitable for highly demanding applications that until now were only available to fibre boards. Its edge can be easily finished by covering or sealing due to its compactness. Its very compact fibre surface, +/- 2.5 mm thick, has very low absorption and a careful surface sanding. It is a sustainable product made of wood, a 100% recyclable material that fixes CO2 and promotes the bioeconomy, like the rest of the boards in the Superpan ranges. Classified P2 according to UNE-EN 312. Service class 1. Formaldehyde emission: Class E1. E-Z: Low formaldehyde emission <0.05 ppm (EN717-1), CARB2.
Recommended for processes	Lacquer or cover with films or natural wood veneer.
Applications	For very demanding processes such as hot-coating, covering of high-gloss PET films or other films, it allows shallow grooving, veneering and laminating, and a wide range of high-quality coatings such as lacquers.
Areas of use	Residential, hospitality and workplace.
Product possibilities	Available in thicknesses between 16 and 44 mm.
Certifications	FSC www.fsc.org FSC® C041397 The mark of responsible forestry · PEFC · CERTIFIED cradle to cradle PRODUCTS PROGRAM

Application guide*

	Superpan (E-Z)	Superpan Plus (E-Z)	Superpan Suprem (E-Z)	Superpan Top	Superpan Evo E-Z
Lacquered	★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★ ★
Printing, roller or paint	★ ★ ★	★ ★ ★ ★			
Demanding coatings (high gloss)		★ ★	★ ★ ★	★ ★ ★ ★	★ ★ ★ ★
Postforming		★ ★ ★	★ ★ ★ ★		
Milling in faces		★	★ ★	★ ★ ★ ★	★ ★

* Orientative

6. Projects

Offices in the technological sector
Le Blume

Marbella,
2020

Superpan Decor
Lissa Oak Atlas

Panelling, furniture and ceiling slats

Workplace

Apartment refurbishment in Santiago de Compostela
Iria Comoxo Estudio

Santiago de Compostela, 2020

Superpan Decor White SR Soft III interior, Superpan Decor Roble, Superpan Decor Perla Soft III

Interior kitchen modules and bedroom furniture. Laundry shelves. Dressing room shelves and shoe cabinet.

Residential

Félix Cerezo House
Xavier Lledó Estudio

Olocau (Valencia),
2021

Superpan Decor
Roble Niágara

Kitchen furniture,
panelling and cabinets.

Residential

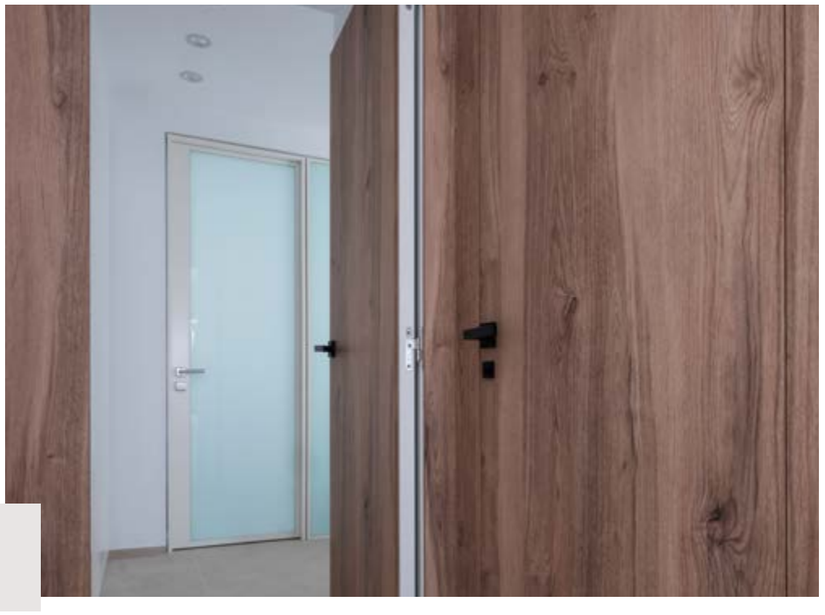
Ático Duplex in L'Eliana (Valencia)
Xavier Lledó Estudio

L'Eliana (Valencia), 2021

Superpan Decor Roble Niágara (Studio), Superpan Decor Blanco and Finfloor Supreme Roble Selena Tostado.

Niagara Oak in panelling and doors, White Superpan Decor in kitchen modules, Finfloor in upper floor flooring.

Residential



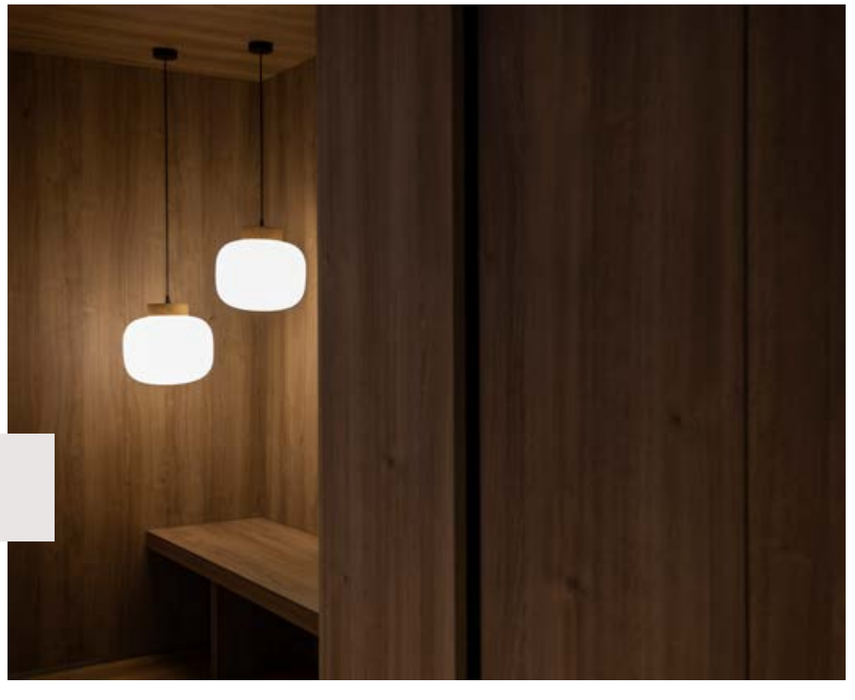
A&R housing refurbishment
Hastial Estudio

Valencia, 2022

Superpan Decor Olmo Sabi Boreal, Roble Denver Atlas, Roble Romance Atlas and Creta Marfil Teide.

Bespoke furniture, panelling, cabinets, benches and kitchen fronts.

Residential



House behind a wall
La Mirateca

Elche (Alicante),
2022

Superpan Decor
Blanco Medio Soft
IV and Fibrapan
Moisture resistant.

Doors and cabinets.

Residential

St Thomas Student Accommodation
Johnson Ribolla

Bristol (Reino Unido),
2021

Superpan Decor
Blanco Medio Soft II.

Room furniture.

Hospitality

refurbishment
Peluquería Emboga
WECO Estudio

Málaga,
2021

Superpan Decor Roble Aurora Atlas and Roble Azabache Atlas.

Panelling, counter, shelves and furniture.

Retail

7. Technical information

General recommendations

Transport Storage Handling

Superpan should be transported and stored with care, in compact stacks and resting on a suitable flat base. Check that the studs are placed in the same position and aligned to avoid deformation of the board. We recommend keeping Superpan in its original packaging, always in a dry place, protected from contact with the ground, walls and humidity. It is recommended to pay special attention to dry and lateral blows or falls of the board to the ground, since it can be damaged inside.

- The boards should always be stored under cover and on a flat surface.
- Optimum storage conditions are 65% humidity, avoiding drier or more humid environments.
- In no case may there be direct contact with water.
- The studs must always be aligned with the vertical.
- It is not recommended to stack more than 4 heights.
- If the packaging is damaged during handling, it must be repackaged for the correct conservation of the product.
- Not respecting the indicated stacking conditions, as well as changes in humidity or temperature in warehouses or transformation areas, can cause irreversible deformations and curvatures.

Cutting Machining Edging

The working conditions (speed, pressure, temperature) of the cutting, machining and edging processes are similar to the usual ones for wood based boards. The edges must be protected against blows, shocks, wear and humidity. We recommend using harder edges (for example PVC or ABS), wood veneer or laminate, metal or plastic profiles. Once Superpan is processed, it is essential that the final product is correctly insulated and sealed on all four edges to prevent swelling.

Technical datasheets

Superpan (E-Z) (1) (3) (4)

E05 | CARB2 | cradle to cradle CERTIFIED PRODUCTS PROGRAM

Properties	Test	Thicknesses (mm)						Units
		8/13	>13/20	>20/25	>25/32	>32/40	>40	
Density*	EN 323	720-680	650-640	625	620	610	600	Kg/m³
Internal traction	EN 319	0.40	0.35	0.30	0.25	0.20	0.20	N/mm²
Bending strength	EN 310	14	14	13	12	11	10	N/mm²
Modulus of elasticity	EN 310	2 200	2 100	1 800	1 500	1 300	1 150	N/mm²
Surface traction	EN 311	>0.8						N/mm²

Superpan Four Stars (1) (3) (5)

Properties	Test	Thicknesses (mm)						Units
		8/13	>13/20	>20/25	>25/32	>32/40	>40/44	
Density*	EN 323	720-680	650-640	625	620	610	600	Kg/m³
Internal traction	EN 319	0.40	0.35	0.30	0.25	0.20	0.20	N/mm²
Bending strength	EN 310	14	14	13	12	11	10	N/mm²
Modulus of elasticity	EN 310	2 200	2 100	1 800	1 500	1 300	1 150	N/mm²
Surface traction	EN 311	>0.8						N/mm²

Superpan Plus (E-Z) (1) (3) (4)

E05 | CARB2

Properties	Test	Thicknesses (mm)					Units
		15/20	>20/25	>25/32	>32/40	>40/44	
Thickness of MDF faces		1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	mm
Density*	EN 323	670	650	650	640	620	Kg/m³
Internal traction	EN 319	≥0.35	≥0.30	≥0.25	≥0.20	≥0.20	N/mm²
Bending strength	EN 310	≥19	≥18	≥17	≥16	≥15	N/mm²
Modulus of elasticity	EN 310	≥2 600	≥2 300	≥2 000	≥1 800	≥1 600	N/mm²
Surface traction	EN 311	>1.0					N/mm²

Superpan Suprem (E-Z) (1) (3) (4)

E05 | CARB2

Properties	Test	Thicknesses (mm)					Units
		18	19/20	>20/24	>24/32	>32/44	
Thickness of MDF faces		≥2.0	≥2.0	≥2.0	≥2.5	≥2.5	mm
Density*	EN 323	690	670	660	650	640	Kg/m³
Internal traction	EN 319	0.35	0.35	0.30	0.30	0.20	N/mm²
Bending strength	EN 310	20	19	18	17	16	N/mm²
Modulus of elasticity	EN 310	2 700	2 600	2 300	2 000	1 800	N/mm²
Surface traction	EN 311	>1.0					N/mm²

Superpan Top (1) (3)

Properties	Test	Thicknesses (mm)		Units
		25/32	>32/44	
Thickness of MDF faces		4	4	mm
Density*	EN 323	680	680	Kg/m³
Internal traction	EN 319	0.30	0.25	N/mm²
Bending strength	EN 310	25	23	N/mm²
Modulus of elasticity	EN 310	2 500	2 300	N/mm²
Surface traction	EN 311	>0.8		N/mm²

Superpan Moisture resistant (E-Z) (2) (3) (4)

E05 | CARB2 | cradle to cradle CERTIFIED PRODUCTS PROGRAM

Properties	Test	Thicknesses (mm)						Units
		8/13	>13/20	>20/25	>25/32	>32/40	>40	
Density*	EN 323	710-660	640	620	620	610	610	Kg/m³
Internal traction	EN 319	0.45	0.45	0.40	0.35	0.30	0.25	N/mm²
Bending strength	EN 310	16	16	15	14	13	12	N/mm²
Modulus of elasticity	EN 310	2 400	2 300	2 000	1 850	1 800	1 750	N/mm²
Surface traction	EN 311	0.8	1.0	1.0	1.0	1.0	1.0	N/mm²
Swelling in water 24h.	EN 317	17	14	13	13	12	12	%
Accelerated aging test (option 1). Swelling after cyclic test (v313)	EN 321/ EN 317	14	13	12	12	11	11	%
Accelerated aging test (option 1). Internal traction after cyclic test (v313)	EN 321/ EN 319	0.15	0.13	0.12	0.10	0.09	0.08	N/mm²

Technical datasheets

Superpan Fire retardant E-Z (1) (3) (4) (6)

E05 | CARB2

Properties	Test	Thicknesses (mm)						Units
		8/<12	12/20	>20/25	>25/32	>32/40	>40/44	
Density*	EN 323	760-730	730-690	680	660	650	650	Kg/m³
Internal traction	EN 319	0.40	0.35	0.30	0.25	0.20	0.20	N/mm²
Bending strength	EN 310	14	14	13	12	11	10	N/mm²
Modulus of elasticity	EN 310	2 200	2 100	1 800	1 500	1 300	1 150	N/mm²
Surface traction	EN 311				>0.8			N/mm²
Reaction to fire	EN13501-1	B-s2,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0	Euroclass

Superpan Star (1) (3)

Properties	Test	Thicknesses (mm)					Units
		19/20	>20/25	>25/32	>32/40	>40/44	
Density*	EN 323	525	500	500	470	450	Kg/m³
Internal traction	EN 319	0.35	0.30	0.25	0.20	0.20	N/mm²
Bending strength	EN 310	11	10.5	9.5	8.5	7	N/mm²
Modulus of elasticity	EN 310	1 600	1 500	1 350	1 200	1 050	N/mm²
Surface traction	EN 311			>0.8			N/mm²
Surface absorption	EN 382-1			>150			mm

Superpan Star Top (1) (3)

Properties	Test	Thicknesses (mm)		Units
		35/40	>40/44	
Thickness of MDF faces		4	4	mm
Density*	EN 323	450	450	Kg/m³
Internal traction	EN 319	0.20	0.20	N/mm²
Bending strength	EN 310	8.5	7	N/mm²
Modulus of elasticity	EN 310	1 200	1 050	N/mm²
Surface traction	EN 311	>0.8		N/mm²
Surface absorption	EN 382-1	>150		mm

Superpan NAF (1) (3) (7)

E05 | NAF

Properties	Test	Thicknesses (mm)						Units
		8/13	>13/20	>20/25	>25/32	>32/40	>40/44	
Density*	EN 323	720-680	650-640	625	620	610	600	Kg/m³
Internal traction	EN 319	0.40	0.35	0.30	0.25	0.20	0.20	N/mm²
Bending strength	EN 310	14	14	13	12	11	11	N/mm²
Modulus of elasticity	EN 310	2 200	2 100	1 800	1 500	1 300	1 300	N/mm²
Surface absorption	EN 311				>0.8			N/mm²

Superpan Evo E-Z (1) (3) (4)

E05 | CARB2

Properties	Test	Thicknesses (mm)					Units
		16/17	>17/20	>20/24	>24/32	>32/44	
Thickness of MDF faces		≥2.0	≥2.0	≥2.0	≥2.5	≥2.5	mm
Density*	EN 323	700	700/680	670	660	640	Kg/m³
Internal traction	EN 319	0.35	0.35	0.30	0.30	0.20	N/mm²
Bending strength	EN 310	30	30	30	28	25	N/mm²
Modulus of elasticity	EN 310	3 300	3 300	3 200	3 000	2 800	N/mm²
Surface traction	EN 311			1.4			N/mm²
Surface absorption	EN 382-1			>200			N/mm²
Swelling in water 2h.	EN 317			4			%

(*) This data is considered indicative.

1. These physical-mechanical values comply with the P2 classification defined in the European standard EN 312:2010, Table 3. -Boards for interior applications (including furniture) for use in a dry environment (Type P2) - Requirements for mechanical properties specified.

2. These physical-mechanical values comply with the P3 classification defined in the European standard EN 312:2010, Table 4 and 5. -Non-structural boards used in a humid environment (Type P3) - Requirements for the specified mechanical and swelling properties. Requirements for resistance to moisture (Option 1).

3. Meets the Class E1 requirements defined in the European Standard EN 312:2010.

4. In E-Z quality it is a product with reduced formaldehyde emission E05 (≤ 0.05 ppm EN 717-1) and has a Certificate of Conformity with phase 2 of low formaldehyde emission CARB and compliance with US EPA TSCA TITLE VI

5. Superpan Four Stars has Japanese MLIT Approval (MFN-3585) for unrestricted construction products with low formaldehyde emission F****.

6. Superpan FR E-Z has CE Marking certified by AENOR with nº 0099/CPD/A65/0039.

7. Superpan NAF is manufactured with formaldehyde-free resins. It has NAF exemption from the California State Air Resources Board (CARB) and US EPA TSCA Title VI.

Due to the continuous development of the product and the standards by which it is governed, some parameters may be modified. For more information or to download the complete technical data sheets, consult the finsa.com website.

Finsa

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