

DO YOU  
WANT  
TO BE DIFFERENT?

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FURNITURE AND  
INTERIOR DESIGN

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**superPan**

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**superPan**



DISCOVER SUPERPAN  
IN 5 MINUTES.



[www.superpan.finsa.com](http://www.superpan.finsa.com)





**FINSA**

*Solutions in Wood*

# THE DETAILS MAKE THE DIFFERENCE

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SUPERPAN  
THE PARTICLEBOARD  
THAT MAKES  
THE DIFFERENCE

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THERE ARE  
MANY WAYS OF  
STANDING OUT.

WE ONLY BELIEVE IN ONE:  
TO BE UNIQUE AND OFFER  
MORE VALUE TO OUR CUSTOMERS



**In many cases, great innovations  
come from small ideas.**

We live in an increasingly competitive world, in which standing out can be no small task. In this context, being different constitutes an urgent need. But, if in addition to being different we are also able to be better, we will be close to holding one of the keys that can lead us to success.

One of the best formulas is to offer the customer more value. In this regard, SuperPan is more than just particleboard. Behind the product lies a firm will to break moulds and innovate. The idea of offering a truly unique product that ensures the best result in each project. It is the perfect balance between quality, application versatility and cost-effectiveness.

Stand out, be different, offer more value. With SuperPan, you can do this.



M A K

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# THE ORIGIN OF SUPERPAN

The history of wood has had a series of milestones, which forever changed the use of this material and the possibilities of its application.

In the 1940s, the first particleboards were developed. In the 1960s, the industry, through innovation, launched medium-density fibre board (MDF). Different products, each with its own properties and benefits.

But, over the course of 40 years there had been no other major innovations in the industry.



NEW  
SUPERPAN



SUPERPAN





# DISRUPTIVE INNOVATION IN THE TECHNICAL WOOD INDUSTRY

Finsa was a pioneer in Europe in the development of technical wood solutions. Following this philosophy, in the year 2000, we asked ourselves a question: why not design a new product that combines the strengths of these two materials? Thus, SuperPan was born.

Since 2016, at our factory in Nelas (Portugal), relying on our state-of-the-art production line, we have introduced innovative processes that allow us to manufacture the new SuperPan, an all-new particleboard with significant improvements. A unique material, capable of making a difference in a wide variety of applications and projects.

## A HISTORICAL OVERVIEW

1960

1940

DM



CHIPBOARD



# A NEW GENERATION OF PARTICLEBOARD

## INNOVATION AND TECHNOLOGY

SuperPan is an innovative board with a unique composition, different from all other conventional boards on the market.

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



## PATENTED

An innovative and exclusive product protected by Patent no. EP1140447 (European Patent Office).

### COARSE PARTICLES

A particleboard core made with larger particles, which gives it structural strength.

### FINE PARTICLES

A fine particle layer that gives it greater stability and contributes to ensuring a high-quality surface finish.

### WOOD FIBRE

A layer of wood fibre that gives it an excellent surface finish.

## COMPOSITION

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



WOOD FIBRE

FINE PARTICLES

COARSE PARTICLES

FINE PARTICLES

WOOD FIBRE



# COST AND TECHNICAL PROPERTIES IN AN EXCLUSIVE PARTICLEBOARD

## PROPERTIES

SuperPan is a particleboard with high-performance technical properties that make it ideal for a multitude of processes and applications.



Perfect cuts



Flat surface with low absorption



High load-bearing resistance



Excellent behaviour with fasteners



High load-bearing to impacts



Excellent quality/cost ratio



# IT IS ALSO SUSTAINABLE AND RECYCLABLE

## RESPONSIBLE ENVIRONMENTAL POLICY

At Finsa, we try to think responsibly and manufacture all our products in full compliance with the most demanding environmental standards and certifications.



## ENVIRONMENTAL PRODUCT DECLARATION (EPD) ECOLOGICAL FOOTPRINT AND TRANSPARENCY

In 2011, FINSA became the first technical wood manufacturer on the Iberian Peninsula to provide an Environmental Product Declaration (EPD) for its products.

The EPD is a tool for conveying clear, transparent information on the impact of a given product upon the environment during every stage of its

life cycle.

In the case of our products, it confirms that wood is a material that keeps capturing greenhouse gases throughout our entire production process.



## LEED™ CREDITS SUSTAINABLE CONSTRUCTION

Finsa materials are manufactured from wood originating from rapidly renewable and recyclable species; therefore, they help to achieve LEED™ credits in different areas:

- Recycled content.
- Locally sourced materials.

- Rapidly renewable materials.
- Certified wood.
- Low-emission materials.

GBCe Materials Platform  
[www.gbce.es](http://www.gbce.es)



The mark of  
responsible forestry



## FSC AND PEFC CERTIFICATION

The Chain of Custody certifies the route of the raw materials from the forest to the consumer/customer, including all stages of the process; i.e., it guarantees to the customer that the product they are purchasing is made with materials from sustainably managed forests.

This warranty is materialised through the PEFC and FSC certificates, which concern the production and marketing of wood-based products.

# A TECHNOLOGICAL LEAP

## STATE-OF-THE-ART FACILITIES



At Finsa, we are nonconformists by nature. Despite having a great and technically evolved product, we did not want to stop there.

Within a process of continuous improvement, we wanted to go further. With that in mind, we invested in a new production line, implementing the most advanced technology on the market to manufacture a new generation of particleboards. In 2016, at our production centre in Nelas

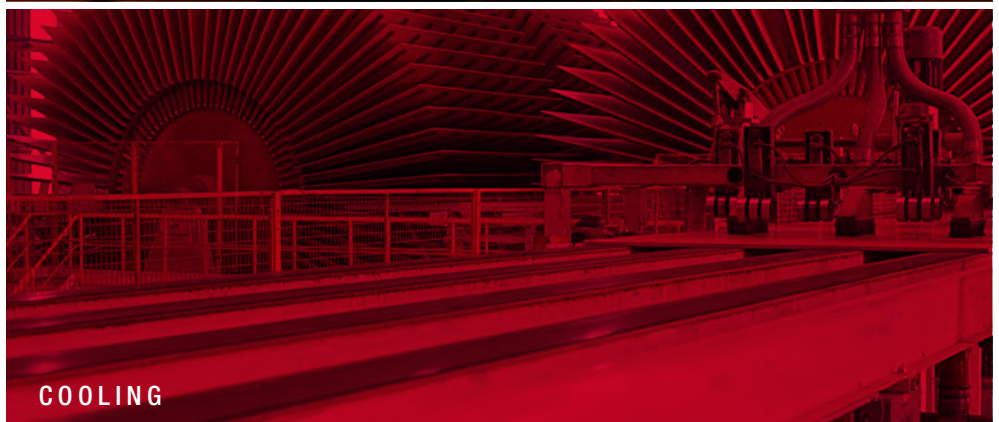
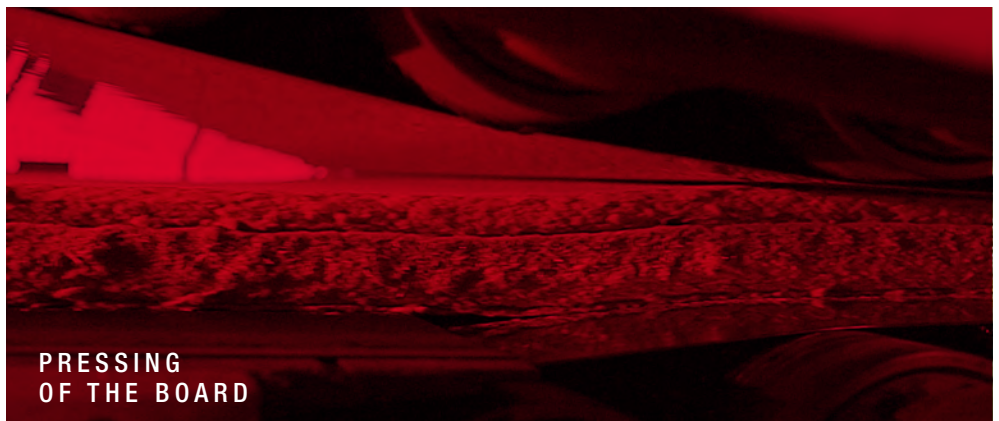
(Portugal), we started the production of the 'new' SuperPan, at our European-wide state-of-the-art facilities.

In a mature industry, where true innovations are difficult and rare, this investment has become for us a firm commitment to technology as a way to contribute to the development of the wood industry.





Nelas





# MAJOR ADVANTAGES ADVANTAGES

Markets are becoming increasingly competitive. Therefore, it is increasingly hard to stand out and differentiate ourselves from our competition. Through its outstanding properties, SuperPan opens up a myriad of possibilities to offer new approaches and look for new positions.

superPan is a time-proven product that has unarguably demonstrated its full potential.

Factors such as productivity, efficiency, reliability, quality but also cost and process efficiency are particularly ensured by the use of superPan.

It is our belief that, both for industries and craftsmen alike, SuperPan can make a

difference, both in terms of production processes and of the value offered to end-customers.

Experience shows us that users can benefit greatly from it and can derive great competitive advantages to boost their business.

Throughout the following pages, we invite you to get to know how SuperPan can help you stand out and how you can add value to all elements of the furniture and interior design value chain.





## DISTRIBUTION


- A technically advanced, innovative and patented product.
- A differentiating element.
- Increases end-user and professional loyalty.
- The complete offer.
- Versatile and flexible for a multitude of applications and user profiles.
- High-turnover product.
- A brand that conveys reliability and trust.



## PROCESSES

- Perfect board cuts.
- Extends the useful life of cutting tools.
- Highest quality drilling and machining.
- Wide range of designs and finishes.
- Provides differentiation and quality at a competitive cost.
- Perception of greater value by end customers.
- Innovative product that allows one to stand out from the competition.
- Proven, guaranteed solutions.





# ADVANTAGES FROM ALL POINTS OF VIEW



## FINAL PRODUCT

- Better overall finish and furniture quality.
- Greater overall robustness and durability of the furniture.
- Shelves with greater load capacity.
- Greater resistance to impacts on mitred edges.
- Greater resistance to surface impacts.
- Excellent surface quality.
- A multitude of decorative possibilities and designs (Duo Range, Studio Collection, Studio Natur...)



HIGH-  
PERFORMANCE,  
DIFFERENTIATING  
BOARD

# APPLICATION FLEXIBILITY AND VERSATILITY

## FURNITURE AND INTERIOR DESIGN

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

Thanks to its high performance, this exclusive particleboard offers more possibilities to both industrial operations and craftsmen, to benefit from improved technical solutions, with the aim of increasing the efficiency of manufacturing processes and obtaining greater profitability.

Either plain, for subsequent painting or coating, or coated in melamine or veneer, SuperPan

opens up new perspectives and a number of creative possibilities in this field.

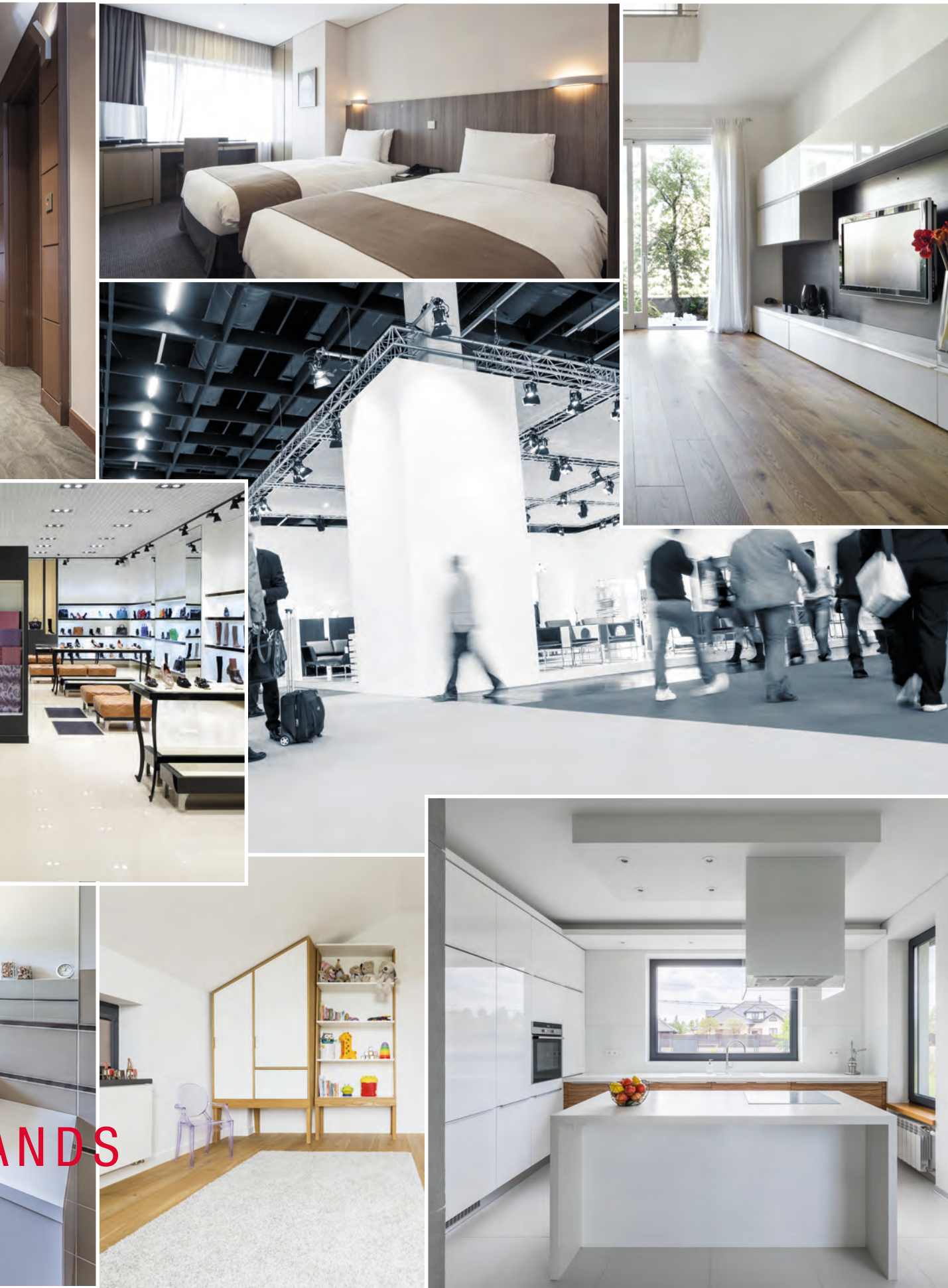
Its special properties and, above all, its great versatility, make SuperPan a benchmark product both for interior decoration and for ephemeral architecture.

An innovative product that provides flexibility and versatility of application, adding value and making a difference in many projects.

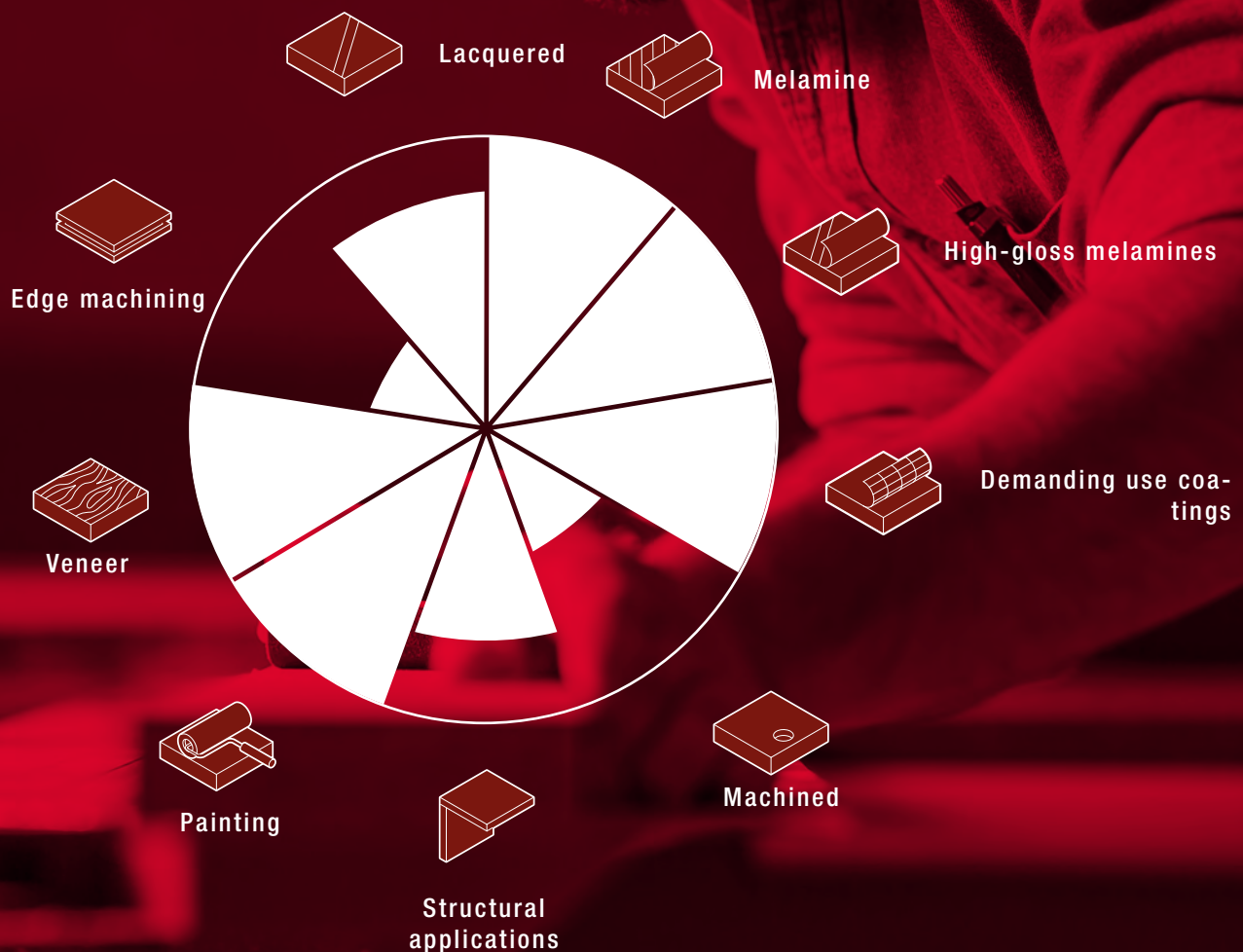


KITCHENS  
BATHROOMS  
HOME  
OFFICE  
CONTRACT  
RETAIL  
STANDS  
EXHIBITOR STA





# HIGH PERFORMANCE IN INDUSTRIAL PROCESSES



SuperPan's potential stems from how it behaves in different industrial processes.

Analysing up to 9 of the most common processes for a given user, particleboard covers only the most basic requirements.

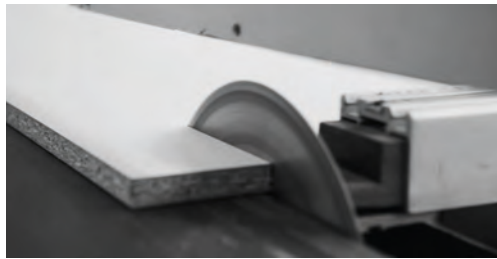
SuperPan offers not only improved behaviour using the same

techniques, but allows the use of more demanding processes, approaching those of fibre board.

From an economic point of view, it offers an excellent ratio between its cost and the value it provides to users.

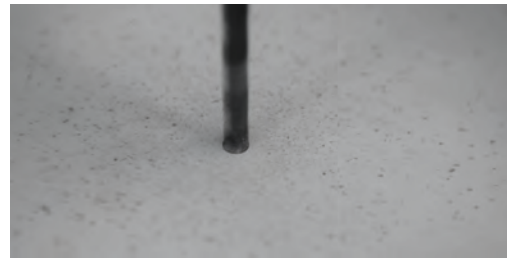


## MACHINING



### **Clean cutting – No chipping**

Melamine-coated SuperPan allows for a clean, perfect cut, avoiding the usual issue of chipping.



### **Drilling**

Drillings are perfect and with resistant edges, avoiding chipping, especially in drill exits.



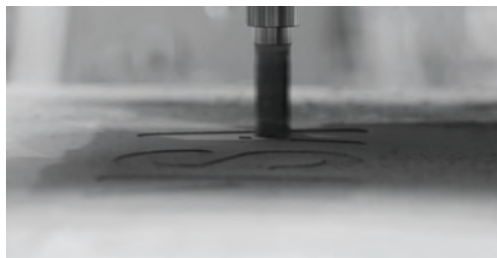
### **Mitred joints**

It allows for high-quality mitred joints thanks to the greater stability of the edge Materials in the edges.



### **Postformed**

It allows for postforming at very small postformed radii without the need for barrier paper, ensuring superior resistance in this type of application.



### **Machining**

SuperPan Top and Star Top versions allow machining up to a depth of 3 mm.



## COATING



### **High-gloss applications**

Raw or melamine faced, with paintable edging tape, it is ideal for lacquered furniture and other demanding coatings such as PETS, thin HPL, High Gloss, etc.

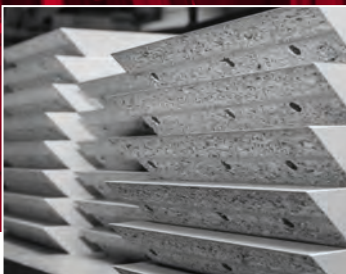


### **Lacquered furniture**

# BENEFITS IN THE END PRODUCT

## Higher quality and more durable furniture.

EXCELLENT  
QUALITY FURNITURE  
FINISH



**PERFECT CUTTING  
AND DRILLING**

SuperPan offers superior overall finish quality. This is reflected in the small details such as: clean-cut cabinet shelves, better-looking edges, perfect machining and drilling.

GREATER RESISTANCE  
TO SURFACE IMPACTS



**SURFACE IMPACT**

MDF surfaces give furniture made with SuperPan a greater impact resistance, avoiding damage caused by everyday use, such as objects falling on table tops.

GREATER RESISTANCE  
TO EVERYDAY BUMPS



**IMPACTS  
ON EDGES**

The edges, especially mitred ones, are more resistant thanks to the external MDF layer. This offers greater protection against the small bumps that occur in everyday use.



**MORE RESISTANT AND DURABLE SHELVES**



**BENDING STRENGTH**

Thanks to its excellent technical properties, shelves made with SuperPan can bear more weight without bending.

**A BETTER, MORE DURABLE SURFACE**



**QUALITY SURFACE**

Both for lacquered furniture and film coatings (PET, Finishfoil, HPL, etc.), SuperPan provides long-lasting surface flatness and stability.

**HIGHER-QUALITY FURNITURE AT COMPETITIVE PRICES**



**COST/QUALITY RATIO**

From an economic point of view, it offers an excellent ratio between its cost and the value it provides to users.

# RANGE

## UNCOATED

### IN PACKS



#### SUPERPAN STANDARD

Ideal for general applications

### UPON REQUEST



#### SUPERPAN PLUS

Ideal for applications that demand high quality surfaces and for postforming applications.

#### SUPERPAN TECH

SuperPan range especially developed for structural applications. Due to its superior physical and mechanical properties, SuperPan has a wide range of applications in construction.

Find out more at [www.finsa.es](http://www.finsa.es)



#### SUPERPAN MOISTURE RESISTANT

High resistance to the effects of humidity



#### SUPERPAN TOP

4-mm faces: ideal for machining processes



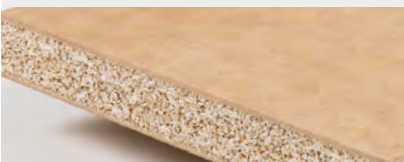
#### SUPERPAN FIRE RESISTANT

High resistance to fire propagation.



#### SUPERPAN EZ

superPan with very low formaldehyde emissions.



#### SUPERPAN STAR

Especially indicated for applications requiring lightness.



#### SUPERPAN STAR TOP

4-mm faces: ideal for machining processes and lightness inside.



#### SUPERPAN NAF

superPan with no added formaldehyde.



• GAMA DUO •  
MELAMINE

STUDIO  
COLLECTION

STUDIO  
NATUR

## COATED



## SUPERPAN DECOR

Melamine-faced.  
Available in the DUO Range and as an exclusive support of the STUDIO Range



## SUPERPAN NATUR

Veneered.  
Available with the veneer range  
STUDIO NATUR



## SUPERPAN HDECK

SuperPan moisture resistant, coated with a special film and anti-slip finish, for application in van floors and indoor stages

	PRODUCT	SUPERPAN STD	SUPERPAN MOISTURE RESISTANT	SUPERPAN FLAME RETARDANT
	PROPERTIES	Standard	Resistance against moisture	Resistance against fire
A P P L I C A T I O N S	Lacquered	★★	★★	★★
	Design printing Roller	★★★	★★★	★★★
	Painting	★★★	★★★	★★★
	Coated with veneer, melamine, HPL	★★★	★★★	★★★
	Demanding use coatings	★★	★★	★★
	Postformed with melamine	★★	★★	★★
	Machined surface	★	★	★
	Cutting, drilling, edging	★★★	★★★	★★★
	Grooving for curved panelling	★★	★★	★★

# APPLICATION GUIDE

<sup>(1)</sup>For best results, we recommend the SuperPan Decor FAB or varnish-ready

SUPERPAN EZ	SUPERPAN PLUS	SUPERPAN TOP	SUPERPAN STAR	SUPERPAN STAR TOP	SUPERPAN DECOR
Very low formaldehyde content	Improved surface	Faces with 4-mm MD	Lightness	Lightness and 4-mm MDF faces	Coated with melamine
★★	★★★★	★★★★	★★	★★★★	★★ (★ <sup>1</sup> )
★★★★	★★★★				
★★★★	★★★★				
★★★★	★★★★	★★★★	★★★★	★★★★	
★★	★★★★	★★★★	★★	★★★★	
★★	★★★★				★★★★
★	★	★★★★	★	★★★★	★
★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
★★	★★★★				

# FORMATS AND THICKNESSES AVAILABLE

## IN BULK

For other formats, thicknesses or qualities, please consult our commercial network.

PRODUCT	FORMATS (mm)		THICKNESSES (mm)												
	Width	Length	8	10	12	15	16	18	19	22	25	30	35	40	44
SUPERPAN STD	2440	1220		•		•	•	•	•			•			
	2440	2100		•			•	•	•						
	2500	2100	•	•	•	•	•	•	•	•	•	•			
	2600	2100		•	•		•	•	•				•		
	2850	2100		•			•	•	•	•	•	•			
	3660	2100					•		•						
SUPERPAN MOISTURE RESISTANT	2440	1220					•		•						
	2850	2100		•			•		•						
SUPERPAN FLAME RETARDANT	2440	1220		•			•		•						
	2850	2100		•			•		•						
SUPERPAN PLUS	2440	2100				•									
	2850	2100							•						
SUPERPAN STAR	2850	2100							•						
	2440	1220		•			•	•	•			•			
SUPERPAN DECOR (Duo Range)	2440	2100		•			•	•	•			•			
	2600	2100		•	•		•	•	•			•			
	2850	2100		•			•	•	•	•	•	•			
	2850	2100		•			•	•	•	•	•	•			
SUPERPAN DECOR MOISTURE RESISTANT	2440	1220					•		•						
	2850	2100					•		•						
SUPERPAN H DECK	3660	1830			•										

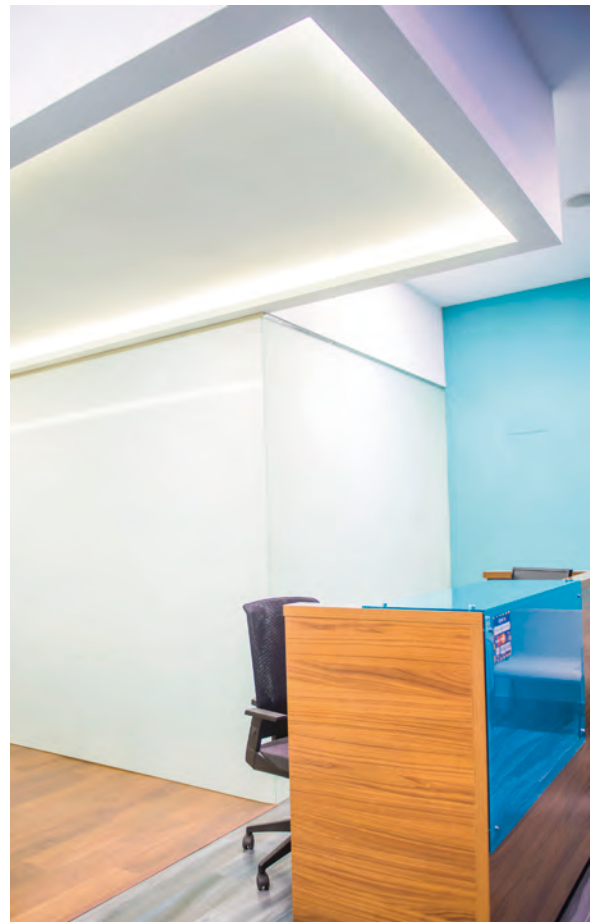




Qbic Hotel London City  
Blacksheep / Elmar Houtbewerking B.V.  
Superpan Decor Curry Yellow  
Furniture

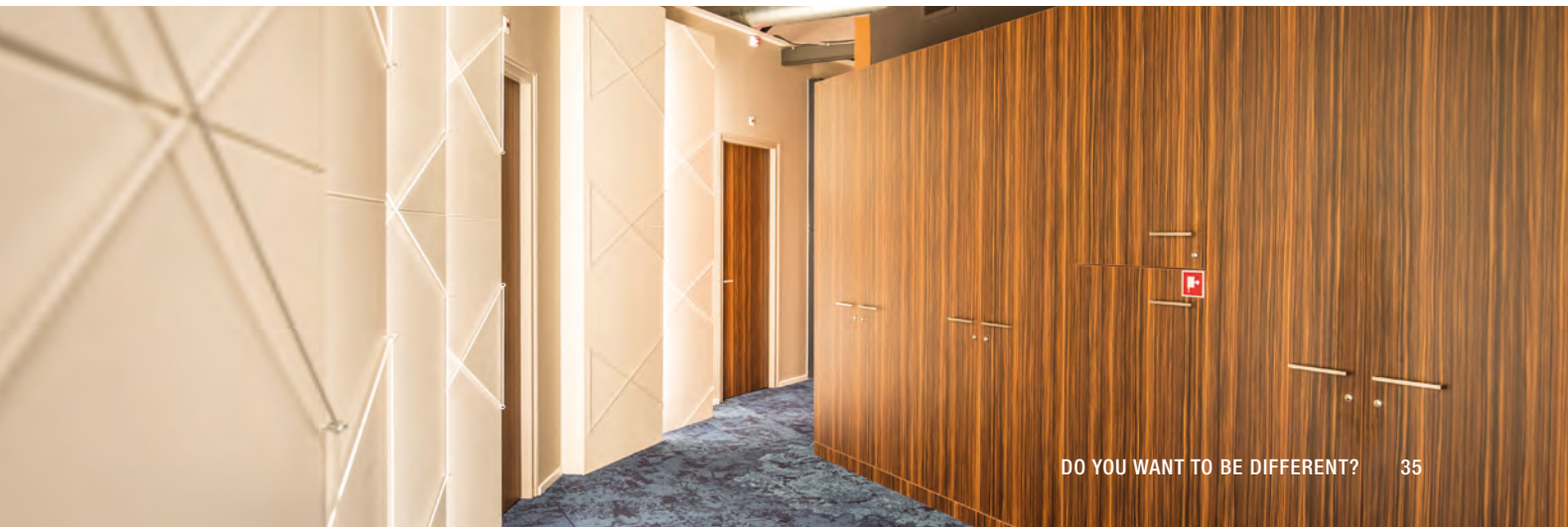
# PROJECTS WITH A DIFFERENT TOUCH

**Clínica de fisioterapia Salva**  
**Unouno. Arquitectura de Interiores**  
Superpan Decor Nogal Canaletto  
Walls, doors and furniture





Offices of WTC & Vliegticket.nl  
Hemelsby  
SuperPan Decor Galileo White, Ebony Luxury, Richmond Plum and Cerezo Luna  
Furniture and panelling





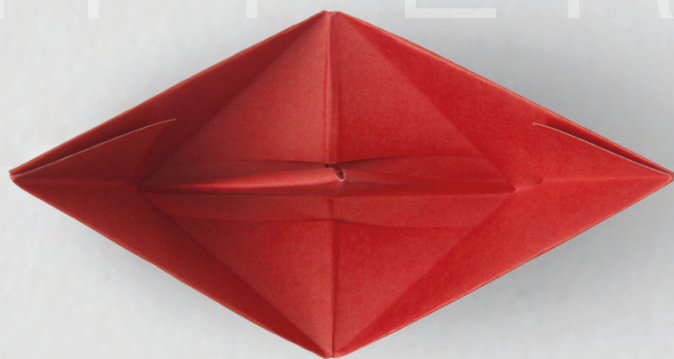
Barbería Sergio  
Andrea Muñoz Diseño  
SuperPan Decor Paper Collage  
Wall cladding



**Detached house in Salamanca**  
**Tapia Figueiras Arquitectos / Marco Tapia López**  
SuperPan Decor White  
Furniture (shelving, kitchen...)

MAKE  
ALWAYS E  
ONE STEP  
AHEAD

DIFFERENC





E

# TECHNICAL DATA SHEETS

## SUPERPAN STANDARD

Test	Property	Thickness (mm)						Units
		8/13	>13/20	>20/25	>25/32	>32/40	>40/44	
EN 323	Density <small>(indicative information)</small>	700-650	630	610	610	600	600	kg/m <sup>3</sup>
EN 319	Internal bond	0.40	0.35	0.30	0.25	0.20	0.20	
EN 310	Bending strength	14	14	13	12	11	10	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2200	2100	1800	1500	1300	1150	
EN 311	Surface soundness	>0.8						N/mm <sup>2</sup>
EN 120	Formaldehyde content Class E1	≤8.0						mg/100g

These physical and mechanical values comply with classification P2, as set forth under European standard EN 312:2010, Table 3. - Boards for indoor applications (including furniture) for use in dry environment (Type P2) - Requirements for the specified mechanical properties. This product complies with Class E1 requirements (tested according to standard EN 12460-5) as set forth under European Standard EN 312:2010. This product is certified by the AITIM Quality Marks.

## SUPERPAN MOISTURE RESISTANT

TEST	PROPERTY	THICKNESS (mm)						UNITS
		8/13	>13/20	>20/25	>25/32	>32/40	>40	
EN 323	Density <small>(indicative information)</small>	710-660	640	620	620	610	610	kg/m <sup>3</sup>
EN 319	Internal bond	0.45	0.45	0.40	0.35	0.30	0.25	
EN 310	Bending strength	16	16	15	14	13	12	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2400	2300	2000	1850	1800	1750	N/mm <sup>2</sup>
EN 311	Surface soundness	0.8	1.0					N/mm <sup>2</sup>
EN 382-1	Surface absorption (both sides)	>150						mm
EN 120	Formaldehyde content Class E1	<8.0						mg/100g
EN 317	Swelling in water 24 h	17	14	13	13	12	12	%
EN 321 / EN 317	Accelerated ageing test (option 1). Swelling after cyclic test (V313)	14	13	12	12	11	11	%
EN 321 / EN 319	Accelerated ageing test (option 1). Internal bond after cyclic test (V313)	0.15	0.13	0.12	0.10	0.09	0.08	N/mm <sup>2</sup>

These physical and mechanical values comply with classification P3, as set forth under European standard EN 312:2010, Tables 4 and 5. - Non-structural panels used in humid environments (Type P3) - Requirements for the specified mechanical and swelling properties. Requirements for moisture resistance (Option 1). SUPERPAN H complies with Class E1 requirements (tested according to standard EN 12460-5) as set forth under European Standard EN 312:2010. This product is certified by the AITIM Quality Marks.

## SUPERPAN STAR

TEST	PROPERTY	THICKNESS (mm)					UNITS
		16/20	>20/25	>25/32	>32/40	>40/44	
EN 323	Density <small>(indicative information)</small>	520	500	450	450	450	kg/m <sup>3</sup>
EN 319	Internal bond	0.35	0.30	0.25	0.20	0.20	N/mm <sup>2</sup>
EN 310	Bending strength	11	10.5	9.5	8.5	7	N/mm <sup>2</sup>
EN 310	Elasticity modulus	1600	1500	1350	1200	1050	N/mm <sup>2</sup>
EN 311	Surface soundness	>0.8					N/mm <sup>2</sup>
EN 382-1	Surface absorption (both sides)	>150					mm
EN 120	Formaldehyde content Class E1	<8.0					mg/100g

These physical and mechanical values comply with classification P2, as set forth under European standard EN 312:2003, Table 3. - Boards for indoor applications (including furniture) for use in dry environment (Type P2) - Requirements for the specified mechanical properties. SUPERPAN STAR complies with Class E1 requirements (tested according to standard EN 120), as set forth under European Standard EN 312:2003. AITIM Quality: 2-4-05 and 2-5-04. AITIM Quality: 2-4-05 and 2-5-04.





## SUPERPAN FIRE RETARDANT

TEST	PROPERTY	THICKNESS (mm)						UNITS
		8/<12	12/20	>20/25	>25/32	>32/40	>40/44	
EN 323	Density <small>(indicative information)</small>	760-730	730-690	680	660	650	650	kg/m <sup>3</sup>
EN 319	Internal bond	0.40	0.35	0.30	0.25	0.20	0.20	N/mm <sup>2</sup>
EN 310	Bending strength	14	14	13	12	11	10	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2200	2100	1800	1500	1300	1150	N/mm <sup>2</sup>
EN 311	Surface soundness	>0.8						N/mm <sup>2</sup>
EN 13501-1	Reaction to fire	B-s2, d0	B-s1, d0					Euroclass
EN 120	Formaldehyde content Class E1	<8.0						mg/100g

These physical and mechanical values comply with classification P2, as set forth under European standard EN 312:2010, Table 3. - Boards for indoor applications (including furniture) for use in dry environment (Type P2) - Requirements for the specified mechanical properties. This product complies with Class E1 requirements (tested according to standard EN 12460-5) as set forth under European Standard EN 312:2010.

This product is certified by the AITIM Quality Seals. This product has CE Marking certified by AENOR under No. 0099/CPD/A65/0039.

## SUPERPAN PLUS

TEST	PROPERTY	THICKNESS (mm)					UNITS
		8/13	>13/20	>20/25	>25/32	>32/40	
EN 323	Density <small>(indicative information)</small>	745-700	680	660	660	660	kg/m <sup>3</sup>
EN 319	MDF SURFACE THICKNESS	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	
EN 319	Internal bond	0.40	0.35	0.30	0.25	0.20	N/mm <sup>2</sup>
EN 310	Bending strength	20	19	18	17	16	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2700	2600	2300	2000	1800	N/mm <sup>2</sup>
EN 311	Surface soundness	>0.8	>1.0				N/mm <sup>2</sup>
EN 382-1	Surface absorption (both sides)	>150					mm
EN 120	Formaldehyde content Class E1	<8.0					mg/100g

These physical and mechanical values comply with/exceed classification P2 as set forth under European standard EN 312:2003, Table 3. - Boards for indoor applications (including furniture) for use in dry environment (Type P2) - Requirements for the specified mechanical properties. SUPERPAN PLUS complies with Class E1 requirements (tested according to standard EN 120) as set forth under European Standard EN 312:2003.

The Quality of SUPERPAN PLUS is certified by AITIM Quality Seals 2-4-05 and 2-5-04.

## SUPERPAN TOP

TEST	PROPERTY	THICKNESS (mm)		UNITS
		25 - 32	>32 - 40	
EN 323	Density <small>(indicative information)</small>	680		kg/m <sup>3</sup>
EN 319	Internal bond	0.30	0.25	N/mm <sup>2</sup>
EN 310	Bending strength	25	23	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2500	2300	N/mm <sup>2</sup>
EN 311	Surface soundness	>0.8	>0.8	N/mm <sup>2</sup>
EN 120	Formaldehyde content Class E1	≤8.0	≤8.0	mg/100g

SUPERPAN TOP complies with the Class E1 requirements (tested according to standard EN 120) as set forth under European Standard EN 312:2003.

## SUPERPAN E-Z

TEST	PROPERTY	THICKNESS (mm)					UNITS
		8/12	15/19	22/25	28/30	>30	
EN 323	Density <small>(indicative information)</small>	700-650	630	610	610	590	kg/m <sup>3</sup>
EN 319	Internal bond	0.40	0.35	0.30	0.25	0.20	N/mm <sup>2</sup>
EN 310	Bending strength	14	14	13	12	11	N/mm <sup>2</sup>
EN 310	Elasticity modulus	2200	2100	1800	1500	1300	N/mm <sup>2</sup>
EN 311	Surface soundness	>0.8					N/mm <sup>2</sup>
EN 382-1	Surface absorption (both sides)	>150					mm
EN 120	Formaldehyde content Class E1	≤3					mg/100g

These physical and mechanical values comply with classification P2, as set forth under European standard EN 312:2003, Table 3. - Boards for indoor applications (including furniture) for use in dry environment (Type P2) - Requirements for the specified mechanical properties. SUPERPAN E-Z complies with Class E1 requirements (tested according to standard EN 120) as set forth under European Standard EN 312:2003.

SUPERPAN E-Z complies with Phase 2 of formaldehyde emission (0.09 ppm) and is certified under CARB compliance certificate no. 07/PB/008/TPC-15. The Quality of SUPERPAN E-Z is certified by AITIM Quality Marks 2-4-05 and 2-5-04.

# TECHNICAL RECOMMENDATIONS

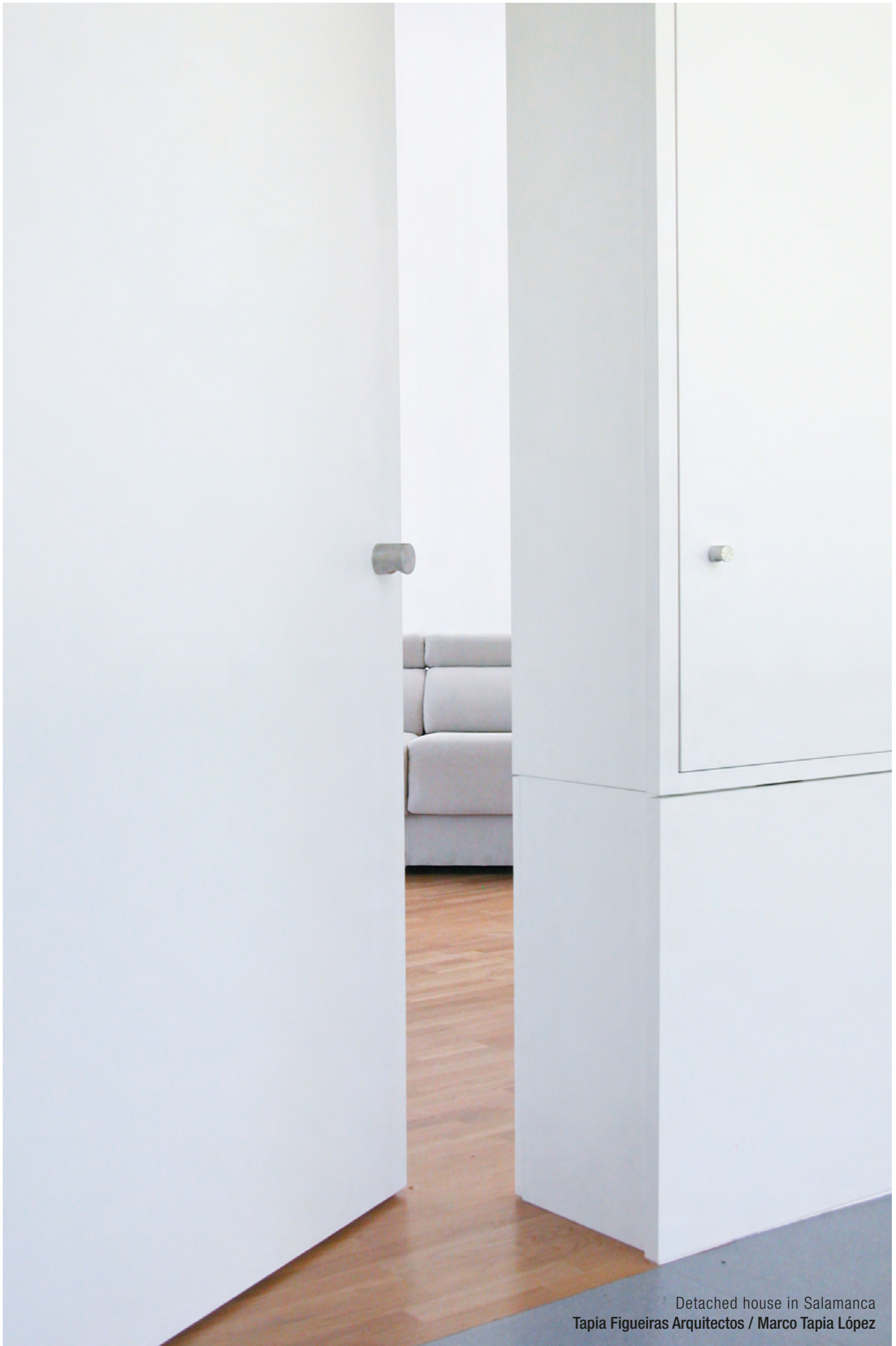
## RECOMMENDATIONS IN TERMS OF TRANSPORT, STORAGE AND HANDLING.

SuperPan must be carefully transported and stored in compact stacks, resting on a completely flat base. Check to make sure that all the runners are placed in the same position and aligned to prevent any deformation of the boards. We recommend keeping SuperPan in its original packaging, always in a dry place, protected from contact with the floor, walls and moisture. We recommend paying special attention to sharp or side strikes or to any boards falling to the ground, as it may damage the inside of the board.

- Boards should always be stored indoors and on a flat surface.
- The optimal storage humidity is 65%, avoiding drier or wetter environments.
- Under no circumstances may there be direct contact with water.
- Runners must be always aligned vertically.
- We do not recommend stacking more than 4 high.
- If the packaging is damaged during handling, the product must be repackaged for proper storage.
- Non-compliance with the specified stacking conditions as well as any changes in humidity or temperature in the storage or processing areas can cause irreversible deformation and bending.

## RECOMMENDATIONS FOR CUTTING, MACHINING, DRILLING, GLUING AND EDGING.

The processes of cutting, machining and edging are similar in terms of working conditions (speed, pressure, temperature) to usual ones. Corners must be protected against impacts, pressure, wear and moisture. We recommend using edgings with increased hardness (i.e. PVC or ABS), veneer or laminated wood, metal or plastic profiles. Once processed, it is essential that the final product is properly insulated and sealed on all four edges, so as to prevent swelling.



Detached house in Salamanca  
Tapia Figueiras Arquitectos / Marco Tapia López



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