

# Lanta

Panels

Collection

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High Gloss  
Super Matt  
Industrial Mood  
Serica Surfaces



**Lanta**  
ILCAM GROUP

Made in Italy

# Lamin/lac



# Pushing the **boundaries** of performance and aesthetics.

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LANTA's Laminlac panels are the result of an innovative PET processing technology that sets out to push the boundaries of performance, aesthetics and sustainability. They come in **High Gloss** and **Super Matt** versions - in an extensive range of colours - as well as an **Industrial Mood** version, with finishes inspired by certain distinctive materials. Extremely versatile, they have been designed to be converted into components for furniture in any room of the home, though they have many other potential applications.



# High Gloss

Glossy surface with a **gloss level of 95**,  
perfectly **smooth** to the touch.



Matt surface with a **gloss level of 5**,  
beautifully **velvety** to the touch.

Super Matt

# Industrial Mood

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Surface with finishes that mimic the appearance  
of certain **distinctive materials**.



# **Serica Surfaces:** smart material, soft-touch elegance and distinctive properties.

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The Serica Surfaces panels offered by Lanta are intended to be incorporated into all manner of furniture and are an excellent marriage of performance and aesthetic qualities. The core is made from paper impregnated with thermosetting resins. The surface is the result of a latest generation acrylic resin treatment and a curing process. The point of difference lies in the application of this type of coating on the back as well as on the front surface.

The elegantly matt and fingerprint-proof Serica Surfaces panels, which come in 8 colours, are on-trend in their design and provide wonderfully tactile experiences. As an added bonus, they can be repaired: minor scratches on the surface can be eliminated with a heat process.

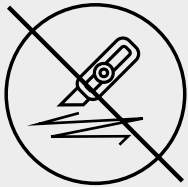


SERICA<sup>®</sup>



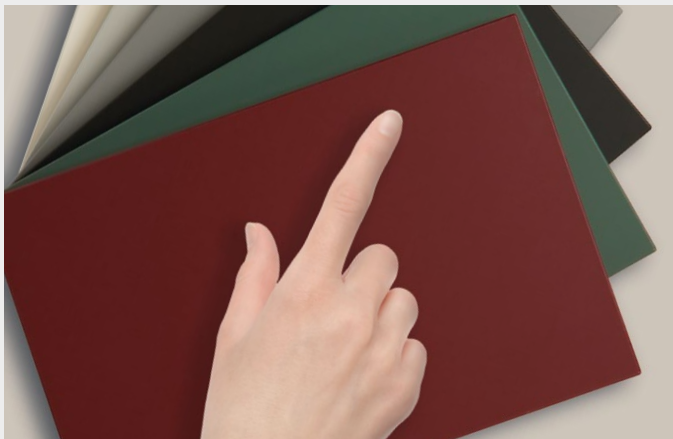
# Performance that makes the **difference.**

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## Abrasion and scratch resistance

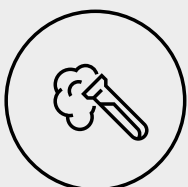
High abrasion resistance has been demonstrated with a testing system that puts the surface through a cycle of 160 rubs with an abrasive nylon/alumina material. The scratch resistance rating of 5, equivalent to a force of 7.5 Newtons, is the highest possible rating and has been demonstrated with tests in accordance with European standards EN-14323:04 and EN-438-2, which define resistance to a scratch deep enough to be easily seen on a vertical surface.



## Fingerprint proof

The matt-finish surfaces of the **Serica Surfaces** panels are fingerprint proof.

SERICA®

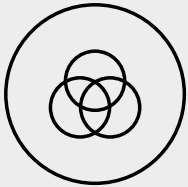


## High chemical resistance

The surface is tested with harsh procedures to offer class 1B high chemical resistance according to the requirements laid down by German/EU standard DIN-68861-1:81.



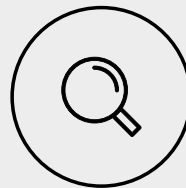
The aesthetic qualities of the panels in the LANTA collection are complemented by performance features that make them extremely hard-wearing and keep them looking like new for years. On top of this, leading certifications attest to their sustainability.



## UV-stable colours

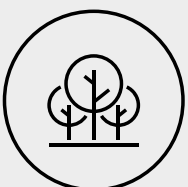
The use of fade-resistant coatings allows the colour to retain its original appearance and not deteriorate when used under normal, correct service conditions.

The pigments used are particularly stable, meaning they do not deteriorate even with prolonged exposure to light, including UV rays. This quality means furniture components can be replaced or added to without being able to see any difference in colour. Each lot produced is checked using a spectrophotometer. Colour stability is rated as 5 on the Grey Scale and 8 on the Blue Scale, according to European standard EN-14323:04.



## Traceability

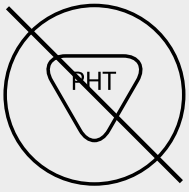
A code can be found on each lot of panels so that it can be traced at any time, both on its journey along the supply chain and once the panels have been converted into a component for the finished products.



## FSC, TÜV and CARB certification

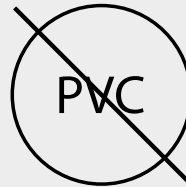
The initial semi-finished substrates - MDF - are FSC (Forest Stewardship Council) certified, which attests to the fact that they are made with wood from responsibly managed forests. The panels are certified by TÜV, a renowned body that develops safe and sustainable solutions on a global scale, marked by a virtuous interaction between man, the environment and technology. They are also CARB (California Air Resource Board) certified based on the ATCM (Airborne Toxic Control Measure), which aims to reduce and monitor formaldehyde emissions from composite wood products used in California.





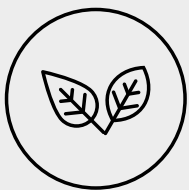
## Phthalate free

The panel facing materials are phthalate free, meaning they are safer and have no health implications for users. Phthalates are one of the categories of substances that most commonly contaminate homes.



## PVC free

The materials used to face the panel are PVC (polyvinyl chloride) free.



## Extremely low VOC emission levels

The panel has extremely low VOC (Volatile Organic Compounds) emission levels, well below the minimum quantities that are usually the standard for the furniture industry. VOCs are hydrocarbons found in the gaseous state at normal room temperatures. They can be either biologically generated or come from man-made sources. There are over a thousand, but the most common in the air are methane, toluene, n-butane, -pentene, ethane, benzene, n-pentene, propane and ethylene.



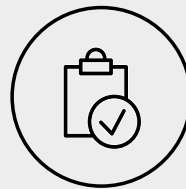


## Repairability

Any minor scratches produced on the surface of the **Serica Surfaces** panels can be repaired with a simple, immediate heat process, described in the tutorial video at the following link: <https://vimeo.com/255034971>



SERICA®



## Testing with cutting-edge systems

To show they meet the highest standards of quality, our products are required to pass strict testing and quality control inspections carried out using some of the most accurate optical and electronic systems in the world. Panels with any surface defects are identified automatically and immediately rejected.

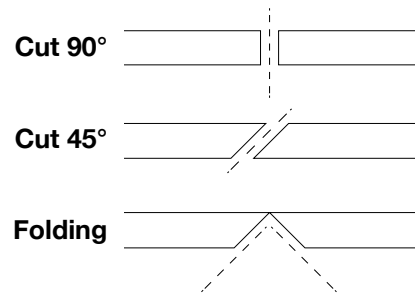
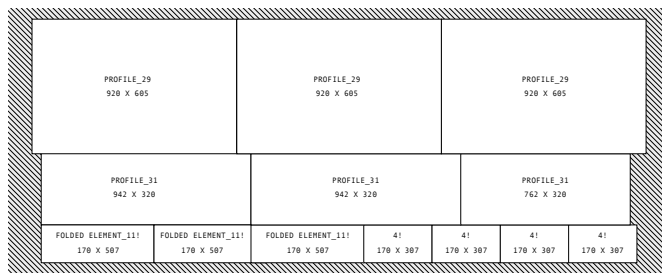


## **LANTA:** experience, productivity, innovation and quality.

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Backed by solid experience and the strength that comes from being a member of the ILCAM Group - Europe's number 1 furniture door manufacturer - LANTA is a go-to supplier for the furniture industry, consistently offering reliable, innovative and sustainable products. The first port of call for top Italian and international furniture brands, our business is growing steadily in terms of both production volumes and sales performance. From total quality - a value that pervades every aspect of our business - through to our ability to provide custom solutions, our focus on customer satisfaction informs every decision we make.

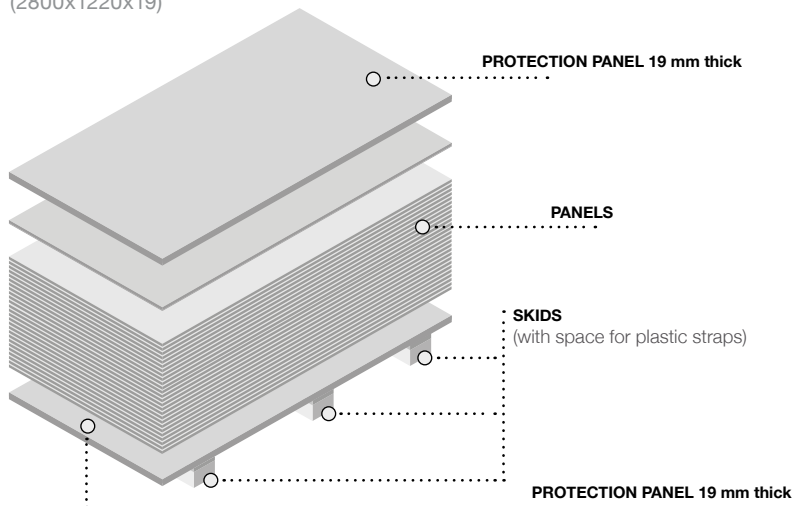
# Optimized panel sizing and different cuts.



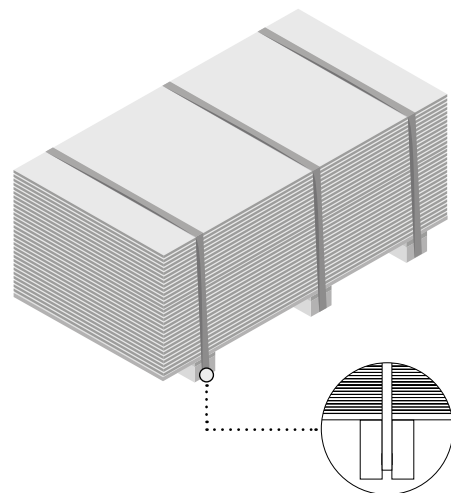
# Advanced packaging and logistics.

Alongside the many advantages offered by the panels in the LANTA collection, there is the added plus of dealing with an industrial organization that goes to great lengths to ensure products are distributed correctly, starting with a packaging system designed to provide the utmost protection through to an advanced logistics service that employs cross docking to improve delivery times.

## PALLET COMPOSITION PANELS (2800x1220x19)



## PACKING OF PANELS IN PALLETS (2800x1220x19)



## CARRIER COMPOSITION\*

PALLET SIZE: 2800 x 1220 x 450 mm (+ SKIDS) PALLET WEIGHT: 1,3 tons

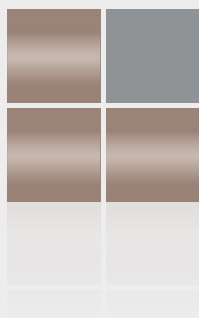
<b>FULL TRACK**</b>	<b>16 Pallets</b>	<b>21 tons</b>
<b>CONTAINER 40'</b>	<b>16 Pallets</b>	<b>21 tons</b>
<b>CONTAINER 20'</b>	<b>8 Pallets</b>	<b>11 tons</b>

\* The data contained in this document are indicative. For more information please ask to sales office.

\*\* Trailer Centinato

Technical data sheet				
Base material	2800 x 1220 x 19 mm MDF	Formaldehyde emission Sustainability	Class E1 FSC chain of custody	
Front side coating	PET foil			
Protective coating	LDPE			
Backside coating	White melamine – match color melamine – PET			
Detail specifications	Norm	Unit	Value	
			High Gloss	Super Matt
Density	EN 323	Kg/m <sup>3</sup>	≥750 ± 5%	
Thickness tolerance	EN 324-1	mm	± 0,3	
Size tolerance		mm	± 2,0	
Transverse internal bond	EN 319	N/mm <sup>2</sup>	≥ 0,6	
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	≥ 2100	
Thickness swelling	EN 317	%	≤ 12	
Face screw holding	EN 320	N	≥ 1000	
Edge screw holding		N	≥ 750	
Moisture content	EN 322	%	4 – 11	
Warping tolerance	EN 438-2	%	± 2	
Gloss	DIN 67530	GU	90 ± 5	4 ± 1
Wet heat resistance	DIN 68930	Level	1	1
Heat resistance of edging	UNI 9242:1987 + A 1:1998	Level	5	5
Resistance to differences in temperature	UNI 9429:1989	Level	5	5
Surface resistance to scratch	EN 14323-4	Level	5	5
Surface resistance to water	EN 12720:2009	Level	5	5
Surface resistance to Ethanol (sol. 48%)		Level	4	4
Surface resistance to coffee		Level	5	4
Light fastness (white color)	EN ISO 4892:2006 + A 1:2009	ΔE	Max 1,0	
Light fastness (other colors)		ΔE	Max 1,5	
Evaluation of surface defects	<p><b>To be visible under the above conditions not be considered admissible defects higher than 1,0 mm<sup>2</sup> as follows:</b></p> <ol style="list-style-type: none"> <li>1. Viewing distance: 700 mm</li> <li>2. Position of workpiece: Vertical</li> <li>3. Lighting: diffused light of white fluorescent lamps (6500K)</li> <li>4. Observation time: Maximum 20 sec</li> </ol> <p><b>The evaluation conditions for quality standard are:</b></p> <ol style="list-style-type: none"> <li>1. 70% Flawless panels. 30% panels with a maximum of 3 defects</li> <li>2. For a better use of the panel, these defects are marked</li> </ol>			
Cleaning	<p>The protective film of the panels must be removed once installation is complete or a maximum of 6 months after delivery, in order to ensure that no adhesive residue remains on the surface. For cleaning, it is recommended to use a nonabrasive cloth moistened with soap and water and immediate subsequent drying. Under no circumstances must harsh chemicals be used such as solvents, alcohol, ammonia, etc.</p>			





# Lanta

CHALLENGE US. NOW.

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