Syncron®

COMPOSITION

Particleboard (PB) base board, made from at least 70% recycled material, covered with decorative paper on both sides.

RECOMMENDED APPLICATIONS

Components for furniture and decoration.

BASE BOARD CHARACTERISTICS

Dimensional tolerances

Property	Value	Standard
Length and width	± 5 mm	EN 324-1
Thickness	± 0,3 mm	EN 324-1
Squaring	± 2 mm/m	EN 324-2

Physical & mechanical properties

	Thickness (mm)			
Property	10-12	16-18	19-25	Standard
Density (kg/m³)	670 ± 50	630 ± 50	610 ± 50	EN 323
Tensile strength (N/mm²) – min.	0,40	0,35	0,30	EN 319
Flexural strength (N/mm²) – min.	11	11	10	EN 310
Modulus of elasticity (N/mm²) – min.	1800	1600	1500	EN 310
Residual moisture (%) – range		5 - 13		EN 322
Sand content (%) – max.		E05 / CARB2		EN 717-1
Fire behavior (class)		D-s2, d0		EN 13501-1

CARACTERÍSTICAS DE RECUBRIMIENTO

Physical & mechanical properties

	Property	SYNCRON	Standard
	Stain resistance	Grade 5	EN 14323
	Resistance to cold liquids	Grade 5	EN 12720
	Crack resistance	Grade 5	EN 14323
	Cold check (40 cycles:1h 60 °C,1h –20°C,15' room tem.)	No damage	AIDIMME
	Light fastness	Blue scale: 8 Grey scale: 5	EN 14323
	Dry heat resistance 100 °C	Class 5	EN 12722
	Moist heat resistance 85 °C	Class 5	EN 12721
	Scratch resistance	3 ± 1 N	EN 14323
	Abrasion resistance	Class 1	EN 14323
	Water steam resistance	Grade 5	EN 14323
	Impact stress resistance (larde diameter steel ball)	140 cm	EN 14323
	Dimension tolerance (processed edge pieces)	± 0,5 mm	ALVIC
	Antibacterial efficacy (24 hours)	100 %	ASTM E2180:07 JIS Z2801:06
	Warping tolerance	2 mm / 1 m	ALVIC

Evaluation of surface defects

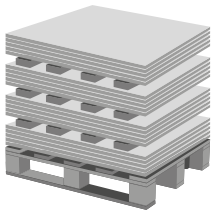
To be visible under the above conditions are not considered admissible defects (bigger than 1 mm²) as follows:

1. Viewing distance: 70 cm.
2. Position of workpiece: vertical (installation conditions).
3. Lighting: diffused light of white fluorescent lamps.
4. Observation time: maximum 20 seconds.

Coated panel thickness

The coatings add 0,30 mm to the base board nominal thickness.

USE RECOMMENDATIONS



Storage

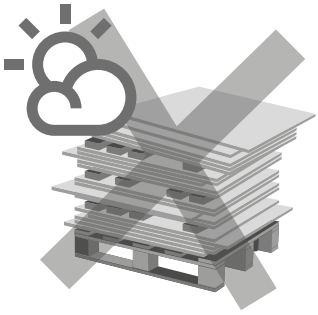
The panels should be checked upon receipt so that any eventual issue can be communicated as soon as possible. Avoid exposure of the product to sunlight (UV radiation) and other sources of heat. Store in a ventilated area. Use a FIFO inventory management system to avoid the mixing of products of very different dates of production, which, with the slight changes in the qualities of coatings, might lead to visible differences between them.

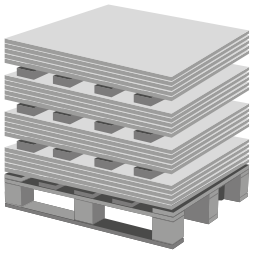
The recommended range of environmental conditions of storage and use is as follows:

Temperature: 10°C - 40°C

Humidity: 30% - 70%

The boards should be checked upon receipt so that any eventual issue can be communicated as soon as possible and be consumed within 12 months of delivery to avoid possible deterioration during storage.

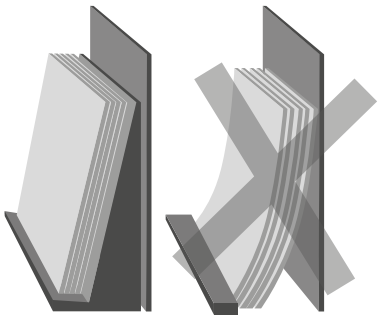




Horizontal storage

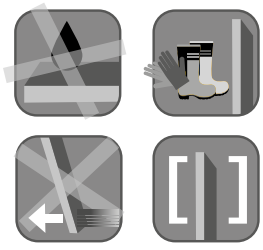
The panels must not be placed directly on the ground. Whenever possible, the storage support media supplied with each pack should be used and placed in the same position in order to maintain a uniform and level height and to prevent deformation of the boards. For the length of 2750 mm at least 4 supports should be used distributed uniformly.

When stacking multiple packs, up to a recommended maximum of four, the supports of different packs must be aligned vertically in order to transfer the weight to the lower layers without deforming the panels. To protect the surface of the panels, use upper and lower panels protections.



Vertical storage

Although it should be avoided whenever possible, a limited number of boards may be stored vertically in racks with a support surface for the panels, so as to prevent warpage, and a minimum inclination of 10°.

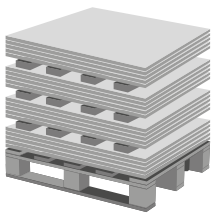


Handling & transport

Avoid at all times the negative impact that moisture may have on the panels by preserving the integrity of the shrink wrap protective film until final use. If any previous operations of loading, transport, unloading, etc. have caused the protective film to deteriorate, the pack should be rewrapped as soon as possible. Likewise, cut pieces should also be protected from moisture until they can be edged.

In manual handling of the boards protective gloves and safety shoes must be worn in order to avoid injury. During machining of the panels, appropriate suction systems must be used and, if necessary, protective masks to prevent breathing in of dust generated from the panel.

The panels must not be dragged on any surface that may cause deterioration of any of their faces.



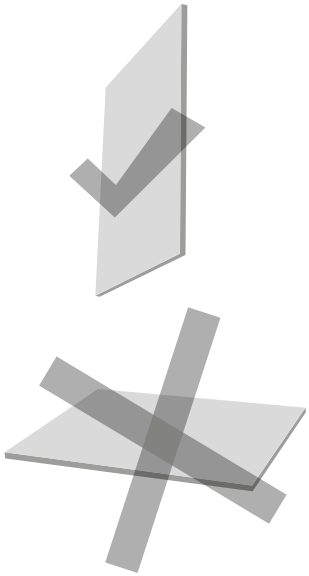
USE RECOMMENDATIONS



Cleaning

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.



Applications

The characteristics of the product enable it to be used as non-work surface (vertical surface).

The information contained in this document does not relieve the purchaser, transformer, assembler and/or final user of the obligation to check the compatibility of the material with the planned use and installation.



Updates

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