Pattio

TECHNICAL FEATURES

NORAY

By Jorge Herrera Studio

Panels

16 mm thick melamine board with 2 mm PVC thermofused edge. Board machined perimeter on the edge to allow upholstering the panel. Holes for mounting support legs, connectors and accessories. Textile cover made of 5 mm thick foam with a density of 60 kg / m^3 and fabric. PP plastic profile sewn in the lower part to make the upholstery on the melamine support. PP bushings placed on the panel to facilitate the assembly of the legs and the connector system.

Bases

- **Aluminium legs**: aluminum legs with levellers or casters. AL 43400 injection mold aluminum parts painted with a smooth matte finish. Translucent PP floor levellers or 75 mm diameter casters with and without brake.
- **Wood legs**: solid oak wood leg with colorless varnish. Each leg consists of a U-shaped support and a 40 mm diameter lower crossbeam. Both parts are glued and linked by wooden dowels. The leg is attached to the panel by assembly screws.
- **Flat base**: Pre-assembled anchoring system, black-painted, consisting of two 3 mm thick steel plates and a lower fixing plate with M8 thread. The foot consists of a 6 mm thick laser-cut plate. It has a laser-cut and laser-welded trim. Epoxy paint according to available finishes. Adhesive lower gliders.

Panel with table

- **Top**: 16 mm thick MDF fiberboard. Covered with natural wood veneer with open pore and chamfer. Edge, upper and lower face of the board in the same finish, either lacquered or varnished. Inline roller UV varnished. With surface treatment by spraying with a water-based ultraviolet product. 100% ecological.
- **Wing:** 16 mm thick melamine particle board with perimeter machining on the edge to allow the panel to be upholstered and with the necessary holes for assemblying hardware. Textile cover composed of 5 mm thick foam with a density of 60 kg/m^3 and fabric.
- **Base:** painted base made of 6 mm thick steel plate. End caps made of self-adhesive felt. Base bolted to the panel with screws. Designed to maximise the stability of the table and support all the components. It can also be used to place objects on top and prevent them from touching the floor.

Panel link system

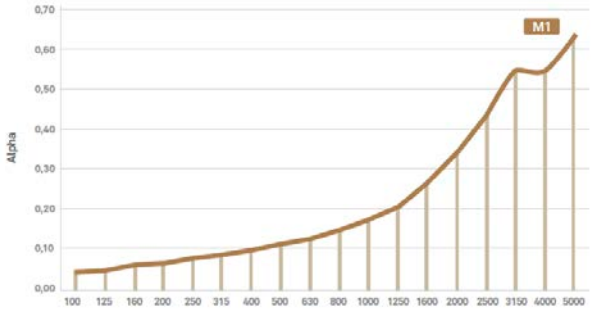
The panel link system is made of plastic pieces mounted on the panel allowing angular adjustment in the different joints or even the joining of 3 panels. The system is made of different parts: knob (PP), cap (PP) and elastic bands. The system is mounted by screws.

Accesories

- **1.5mm thick sheet metal whiteboard** fixed to the panel using M5x15 mm welded threaded bolts. Special paint for dry cleaning whiteboard markers. 2mm thick sheet steel pencil holder. Use ONLY dry-cleaning markers.
- **Lower shelf** in 23mm thick MDF board with lacquered chamfered edge.
- **Planter**: 1.2 mm thick steel sheet. Consists of two laser-cut pieces that have been folded, rounded and welded together. Magnetic panel fixing system.

Fonoabsorbency

Noray provides optimal sound absorbtion, thanks to its construction. Its panels are made up from a 16 mm particle board and then covered with 5 mm of high-density foam and upholstered on both sides. The absence of metallic interiors or profiles of other materials helps to absorb sound and provide an acoustic improvement in the space.



Normal incidence absorption coefficient by frequency (10534-2:2002) for prototype M1

Packings

100% recyclable with inks with no solvents.

Certificate

Our products are designed, manufactured and distributed according to current regulations and organizational standards.

►Information

5-year warranty

►Warranty terms and conditions

Maintenance and cleaning of products

Pattio provides recommendations to the user so that their products always look new and in excellent condition.
As a general rule, we recommend the use of environmentally friendly cleaning agents. Please follow the cleaning product manufacturer's instructions.

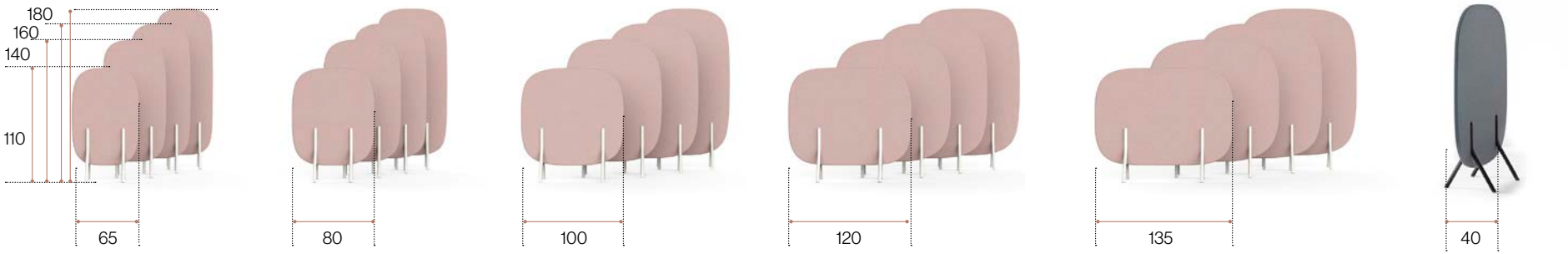
►Information

Dimensions

cm

Fixed panels

The following measures can be applied to panels with aluminium legs, wood legs and flat base:



Panel with aluminium legs

Fixed single panel

w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	11,96	0,0363	2	2 m	14,57	0,0449	2	2'5 m	16,44	0,0507	2	3 m	18,21	0,0564	2	3'5 m
w 80	14,59	0,0424	2	2 m	21,16	0,0528	2	2'5 m	20,35	0,0598	2	3 m	22,19	0,0668	2	3'5 m
w 100	16,95	0,0506	2	2 m	21,16	0,0634	2	2'5 m	32,54	0,072	2	3 m	37,27	0,0805	2	3'5 m
w 120	19,32	0,0587	2	2 m	24,26	0,074	2	2'5 m	37,51	0,0841	2	3 m	43,90	0,0943	2	3'5 m
w 135	21,06	0,0648	2	2 m	26,50	0,0819	2	2'5 m	41,86	0,0932	2	3 m	48,57	0,1046	2	3'5 m

Fixed initial / final panel

w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	12,01	0,0363	2	2 m	14,61	0,0449	2	2'5 m	16,54	0,0507	2	3 m	18,31	0,0564	2	3'5 m
w 80	14,64	0,0424	2	2 m	21,21	0,0528	2	2'5 m	20,45	0,0598	2	3 m	22,30	0,0668	2	3'5 m
w 100	17,00	0,0506	2	2 m	21,21	0,0634	2	2'5 m	32,64	0,072	2	3 m	37,37	0,0805	2	3'5 m
w 120	19,37	0,0587	2	2 m	24,31	0,074	2	2'5 m	37,61	0,0841	2	3 m	44,00	0,0943	2	3'5 m
w 135	21,11	0,0648	2	2 m	26,55	0,0819	2	2'5 m	41,96	0,0932	2	3 m	48,67	0,1046	2	3'5 m

Fixed add-on panel

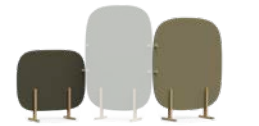
w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	12,01	0,0363	2	2 m	14,66	0,0449	2	2'5 m	16,64	0,0507	2	3 m	18,41	0,0564	2	3'5 m
w 80	14,69	0,0424	2	2 m	21,26	0,0528	2	2'5 m	20,55	0,0598	2	3 m	22,39	0,0668	2	3'5 m
w 100	17,05	0,0506	2	2 m	21,26	0,0634	2	2'5 m	32,74	0,072	2	3 m	37,47	0,0805	2	3'5 m
w 120	19,42	0,0587	2	2 m	24,36	0,074	2	2'5 m	37,71	0,0841	2	3 m	44,10	0,0943	2	3'5 m
w 135	21,16	0,0648	2	2 m	26,60	0,0819	2	2'5 m	42,06	0,0932	2	3 m	48,77	0,1046	2	3'5 m

Wooden legs panel

Fixed single panel

w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	11,96	0,0363	2	2 m	14,57	0,0449	2	2'5 m	16,44	0,0507	2	3 m	18,21	0,0564	2	3'5 m
w 80	14,59	0,0424	2	2 m	21,16	0,0528	2	2'5 m	20,35	0,0598	2	3 m	22,19	0,0668	2	3'5 m
w 100	16,95	0,0506	2	2 m	21,16	0,0634	2	2'5 m	32,54	0,072	2	3 m	37,27	0,0805	2	3'5 m
w 120	19,32	0,0587	2	2 m	24,26	0,074	2	2'5 m	37,51	0,0841	2	3 m	43,90	0,0943	2	3'5 m
w 135	21,06	0,0648	2	2 m	26,50	0,0819	2	2'5 m	41,86	0,0932	2	3 m	48,57	0,1046	2	3'5 m

Fixed initial / final panel



w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	12,01	0,0363	2	2 m	14,61	0,0449	2	2'5 m	16,54	0,0507	2	3 m	18,31	0,0564	2	3'5 m
w 80	14,64	0,0424	2	2 m	21,21	0,0528	2	2'5 m	20,45	0,0598	2	3 m	22,30	0,0668	2	3'5 m
w 100	17,00	0,0506	2	2 m	21,21	0,0634	2	2'5 m	32,64	0,072	2	3 m	37,37	0,0805	2	3'5 m
w 120	19,37	0,0587	2	2 m	24,31	0,074	2	2'5 m	37,61	0,0841	2	3 m	44,00	0,0943	2	3'5 m
w 135	21,11	0,0648	2	2 m	26,55	0,0819	2	2'5 m	41,96	0,0932	2	3 m	48,67	0,1046	2	3'5 m

Fixed add-on panel

w	h 110				h 140				h 160				h 180			
	kg		□		kg		□		kg		□		kg		□	
w 65	12,01	0,0363	2	2 m	14,66	0,0449	2	2'5 m	16,64	0,0507	2	3 m	18,41	0,0564	2	3'5 m
w 80	14,69	0,0424	2	2 m	21,26	0,0528	2	2'5 m	20,55	0,0598	2	3 m	22,39	0,0668	2	3'5 m
w 100	17,05	0,0506	2	2 m	21,26	0,0634	2	2'5 m	32,74	0,072	2	3 m	37,47	0,0805	2	3'5 m
w 120	19,42	0,0587	2	2 m	24,36	0,074	2	2'5 m	37,71	0,0841	2	3 m	44,10	0,0943	2	3'5 m
w 135	21,16	0,0648	2	2 m	26,60	0,0819	2	2'5 m	42,06	0,0932	2	3 m	48,77	0,1046	2	3'5 m

Flat base panel

Fixed single panel

w	h 110				h 140				h 160				h 180			
	kg				kg				kg				kg			
w 65	11,96	0,0363	2	2'2 m	14,57	0,0449	2	2'8 m	16,44	0,0507	2	3'2 m	18,21	0,0564	2	3'8 m
w 80	14,59	0,0424	2	2'2 m	21,16	0,0528	2	2'8 m	20,35	0,0598	2	3'2 m	22,19	0,0668	2	3'8 m
w 100	16,95	0,0506	2	2'2 m	21,16	0,0634	2	2'8 m	32,54	0,072	2	3'2 m	37,27	0,0805	2	3'8 m
w 120	19,32	0,0587	2	2'2 m	24,26	0,074	2	2'8 m	37,51	0,0841	2	3'2 m	43,90	0,0943	2	3'8 m
w 135	21,06	0,0648	2	2'2 m	26,50	0,0819	2	2'8 m	41,86	0,0932	2	3'2 m	48,57	0,1046	2	3'8 m

Fixed initial / final panel

w	h 110				h 140				h 160				h 180			
	kg				kg				kg				kg			
w 65	12,01	0,0363	2	2'2 m	14,61	0,0449	2	2'8 m	16,54	0,0507	2	3'2 m	18,31	0,0564	2	3'8 m
w 80	14,64	0,0424	2	2'2 m	21,21	0,0528	2	2'8 m	20,45	0,0598	2	3'2 m	22,30	0,0668	2	3'8 m
w 100	17,00	0,0506	2	2'2 m	21,21	0,0634	2	2'8 m	32,64	0,072	2	3'2 m	37,37	0,0805	2	3'8 m
w 120	19,37	0,0587	2	2'2 m	24,31	0,074	2	2'8 m	37,61	0,0841	2	3'2 m	44,00	0,0943	2	3'8 m
w 135	21,11	0,0648	2	2'2 m	26,55	0,0819	2	2'8 m	41,96	0,0932	2	3'2 m	48,67	0,1046	2	3'8 m

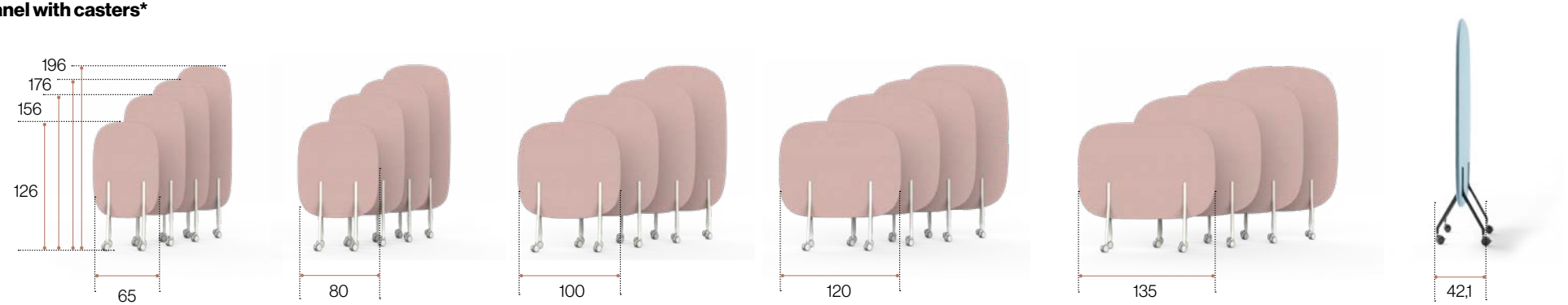
Fixed add-on panel

w	h 110				h 140				h 160				h 180			
	kg				kg				kg				kg			
w 65	12,01	0,0363	2	2'2 m	14,66	0,0449	2	2'8 m	16,64	0,0507	2	3'2 m	18,41	0,0564	2	3'8 m
w 80	14,69	0,0424	2	2'2 m	21,26	0,0528	2	2'8 m	20,55	0,0598	2	3'2 m	22,39	0,0668	2	3'8 m
w 100	17,05	0,0506	2	2'2 m	21,26	0,0634	2	2'8 m	32,74	0,072	2	3'2 m	37,47	0,0805	2	3'8 m
w 120	19,42	0,0587	2	2'2 m	24,36	0,074	2	2'8 m	37,71	0,0841	2	3'2 m	44,10	0,0943	2	3'8 m
w 135	21,16	0,0648	2	2'2 m	26,60	0,0819	2	2'8 m	42,06	0,0932	2	3'2 m	48,77	0,1046	2	3'8 m

Dimensions

cm

Panel with casters*



*Casters are only compatible with panels with aluminium legs.

Mobile single panel
without low shelf

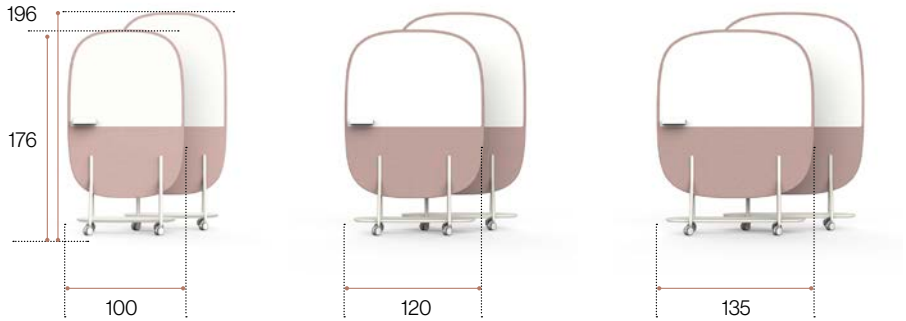
w	h 126				h 156				h 176				h 196			
	kg		□		kg		□		kg		□		kg		□	
w 65	13,10	0,0409	2	2 m	15,71	0,0495	2	2'5 m	17,58	0,0553	2	3 m	19,35	0,061	2	3'5 m
w 80	15,74	0,047	2	2 m	22,30	0,0574	2	2'5 m	21,50	0,0644	2	3 m	23,33	0,0714	2	3'5 m
w 100	18,10	0,0552	2	2 m	22,30	0,068	2	2'5 m	33,68	0,0766	2	3 m	38,41	0,0851	2	3'5 m
w 120	20,46	0,0633	2	2 m	25,40	0,0786	2	2'5 m	38,65	0,0887	2	3 m	45,05	0,0989	2	3'5 m
w 135	22,20	0,0694	2	2 m	27,64	0,0865	2	2'5 m	43,00	0,0978	2	3 m	49,71	0,1092	2	3'5 m

Mobile single panel
with low shelf

w	h 126				h 156				h 176				h 196			
	kg		□		kg		□		kg		□		kg		□	
w 65	17,76	0,0622	2	2 m	20,37	0,0708	2	2'5 m	22,24	0,0766	2	3 m	24,01	0,0823	2	3'5 m
w 80	21,65	0,0741	2	2 m	28,22	0,0845	2	2'5 m	27,42	0,0915	2	3 m	29,25	0,0985	2	3'5 m
w 100	26,01	0,09	2	2 m	30,21	0,1028	2	2'5 m	41,60	0,1114	2	3 m	46,32	0,1199	2	3'5 m
w 120	30,01	0,1059	2	2 m	34,95	0,1212	2	2'5 m	48,20	0,1313	2	3 m	54,60	0,1415	2	3'5 m
w 135	33,24	0,1178	2	2 m	38,68	0,1349	2	2'5 m	54,03	0,1462	2	3 m	60,75	0,1576	2	3'5 m

Dimensions

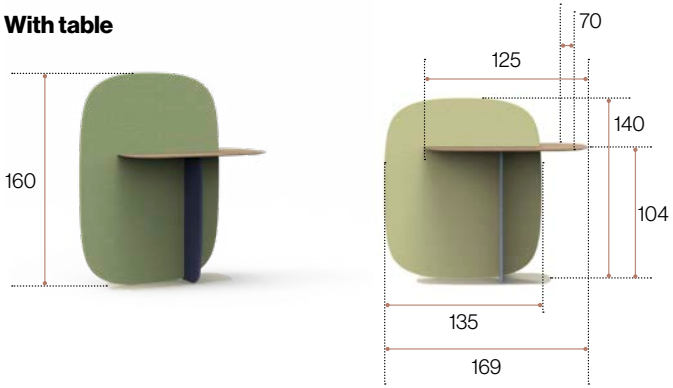
With casters, whiteboard and low shelf



w	h 176			h 196		
	kg		□	kg		□
With whiteboard, without low shelf						
w 100	34,28	0,078 m³	2	42,20	0,1128 m³	2
w 120	39,25	0,0901 m³	2	48,80	0,1327 m³	2
w 135	43,60	0,0992 m³	2	54,64	0,1476 m³	2
With whiteboard, with low shelf						
w 100	39,01	0,0865 m³	2	46,92	0,1213 m³	2
w 120	45,65	0,1003 m³	2	55,20	0,1429 m³	2
w 135	50,31	0,1106 m³	2	61,35	0,159 m³	2

Dimensions

With table

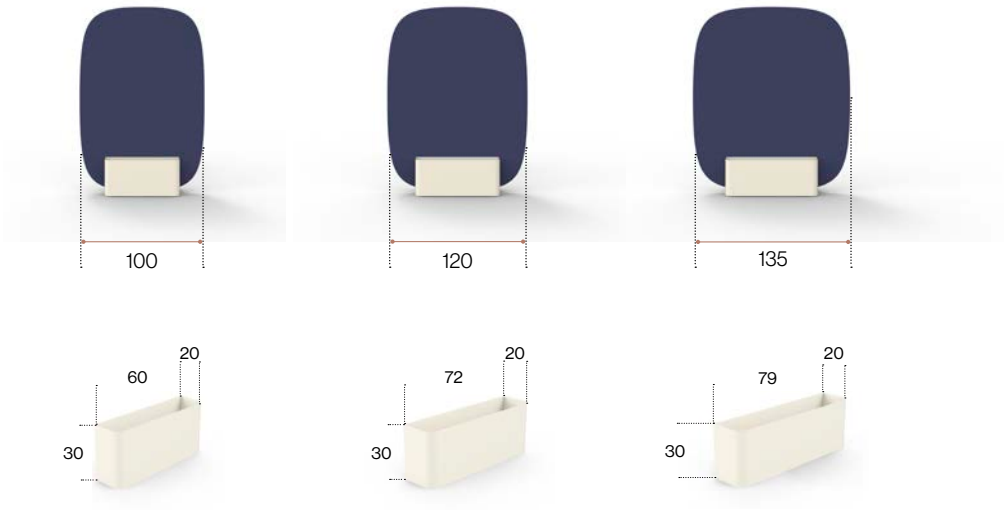


	h 140				h 160			
w	kg		□		kg		□	
w 135	26,60	0,0819	2	2'8 m	42,06	0,0932	2	3'2 m

Dimensions

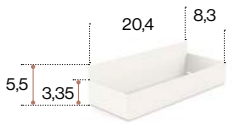
Accesories

Planter *(only compatible with 100 / 120 and 135 width panels)*



w	kg		□
w 60	6,8 - 5,47	0,057	1
w 72	7,8 - 6,36	0,057	1
w 79	8,39 - 6,88	0,057	1

Marker holder *(for panels with whiteboard)*



kg		□
0,6	0,0019	1

Life cycle analysis

PN013

Raw Material	kg	%
Wood	**15,37**	**74**
Aluminium	**3,16**	**15,24**
Upholstery / Filling Material	**2**	**9,6**
Polypropilene	**0,2**	**1**

% Recycled Mat.= 68%

% Recycled Mat.= 76,8%

Ecodesign

Results reached during the life cycle stages

Materials

- Steel: 15%-99% recycled material.
- Wood: 70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.
- Plastic: 30%-40% recycled material.
- Powder painting without COV emissions.
- Staff material without HCFC and certified by Okotext.
- Upholsteries without COV emissions and certified by Okotext.
- Packings: 100% recyclable with inks with no solvents.

Production

- Raw materials use optimization. Board, upholstery and steel tubes cut.
- Renewable energies use, reducing the CO2 emissions (Photovoltaic pannels).
- Energy saving measures in all production process.
- COV global emission reduction of the production processes by 70%.
- Powder painting recovery of 93% of the non deposited painting.
- Glue removal from the upholstery.
- The facilities have an internal sewage for liquid waste.
- Green points at the factory.
- 100% waste recycling at production process ans dangerous waste special treatment.

Transporte

- Cardboard use opmitization of the packings.
- Cardboard and packing materials use reduction.
- Flat packings and small bulks to optimize the space.
- Solid waste compacter which reduces transport and emissions.
- Light volumes and weights.
- Transport fleet renewal reducing by 28% the fuel consumption.
- Suppliers area reduction. Local market power and less pollution at transport.

Use

- Easy maintenance and cleaning without solvents.
- Pattio guarantee.
- The highest quality for materials to provide a 10 year average life of the product.
- Useful life optimization of the product due to a standarized and modular design.
- The boards with no E1 particle emission.

End life

- Easy unpacking for the recyclability or compound reuse.
- Piece standarization for the use.
- Recycled materials used for products (% recyclability):
- Aluminium is 100% recyclable. Steel is 100% recyclable. Wood is 100% recyclable. Plastics are from 70 to 100% recyclable.
- With no air or water pollution while removing waste.
- Returnable, recyclable and reusable packing.

Maintenance and cleaning guide

Lines for a correct cleaning and maintenance considering the different materials:

Fabrics

① Vacuum often.

② Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

③ Dry foam for carpets can be alternativaly used.

Metal pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Polished aluminum parts can be restored with polish on a dry cotton cloth to restore their initial gloss conditions.

Wooden - melamine pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.

Plastic pieces

① Rub the dirty spot with a wet cloth with PH neutral soap.
Test first on a hidden spot.

② Do not use abrasive products under any circumstances.