Forma 5

TECHNICAL FEATURES
PANEL SLIM

PANEL SLIM

Melamine, upholsthred or both finishes,
with/without wintow of polyestyrene glass

Joining columns betwenn Panels Slim or Panel Slim
and Panel System

Aluminium metal frame

Transparente polyestyrene
glass

Foot, with or without casters, for ending
panels or freestanding panels (optional)
(recommended to improve stability)
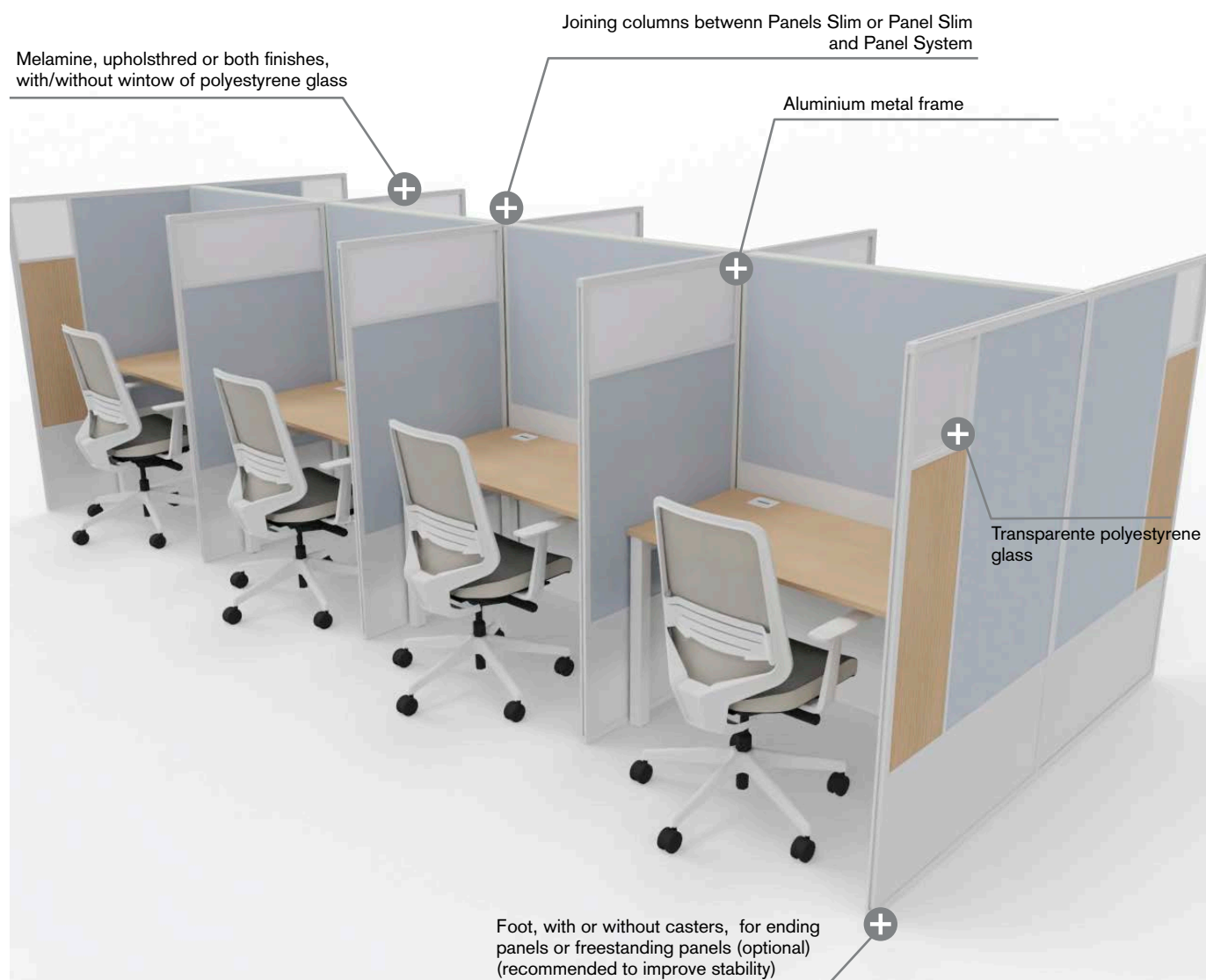
STRUCTURE

Aluminum extrusion profiles (28 x 28 mm), 100 microns layer epoxy paint. Mechanized sections for easy assembly and disassembly of the panels. Inside the structure there are folded laminated steel sheets (1,5 mm) to fixing the support of table, shelves, hanging cabinets and accessories. Polypropylene caps on the upper finish.
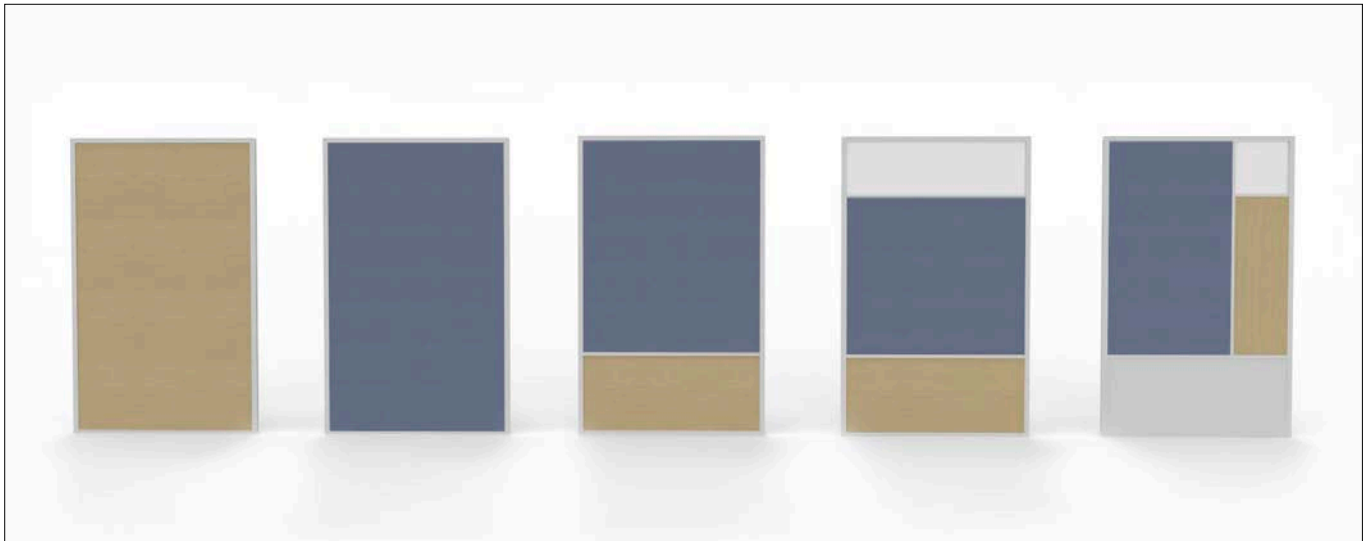

PANELS

Removable panels for compositions with 60, 80, 100, 120, 140, 160 and 180 cm wide and 110, 135, 160, 185 cm high.
Types of panels:

A.- Melamine panels: with particle board and 19 mm thick melamine coating.

B.- Uphosltered panels: 19 mm thick melamine particules wide and uphostered with different finishes of fabric.

C.- Polyestyrene glass sections: Protective screens made of 4 mm thick transparent glass polystyrene. with rounded edges. glass polystyrene. has a high chemical resistance, which allows cleaning with chemical products. Its density is 1,36 kg / m3.

PIES

4 mm thick laminated and folded sheet metal foot painted in epoxy with average values between 60-80 microns of coating thickness. This foot is for end panels and freestanding panels. Possibility of leveler or casters.
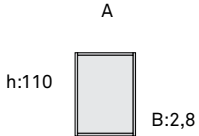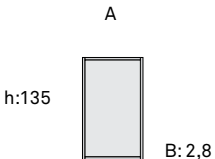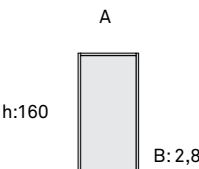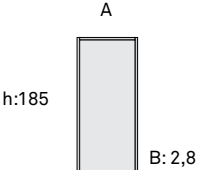

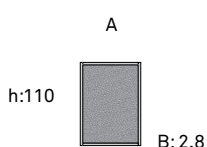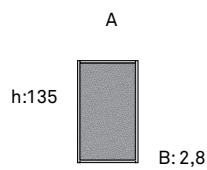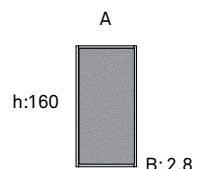### DETAILS
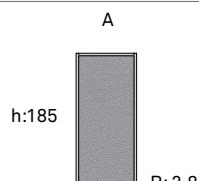

Joining between Panel Slim

Joining between Panels Slim and Panel System

Freestanding panels.

MELAMINE PANELS

h:110 / A / B:2,8	**LOW PANEL, h: 110**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8 140 x 2,8 160 x 2,8 180 x 2,8
h:135 / A / B: 2,8	**INTERMEDIATE PANEL, h: 135**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:160 / A / B: 2,8	**MEDIUM PANEL, h: 160**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:185 / A / B: 2,8	**HIGH PANEL, h: 185**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8

UPHOLSTERED PANELS

h:110 / A / B: 2,8	**LOW PANEL, h: 110**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8 140 x 2,8
h:135 / A / B: 2,8	**INTERMEDIATE PANEL, h: 135**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:160 / A / B: 2,8	**MEDIUM PANEL, h: 160**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:185 / A / B: 2,8	**HIGH PANEL, h: 185**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8

PANEL MIX: MELAMINE + UHPLSTERED PANELS

A h:110 B: 2,8	**LOW PANEL, h: 110**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8 140 x 2,8 160 x 2,8 180 x 2,8
A h:135 B: 2,8	**INTERMEDIATE PANEL, h: 135**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
A h:160 B: 2,8	**MEDIUM PANEL, h: 160**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
A h:185 B: 2,8	**HIGH PANEL, h: 185**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
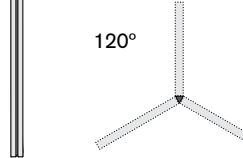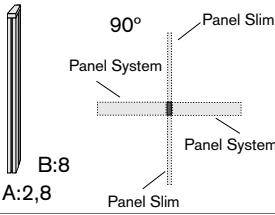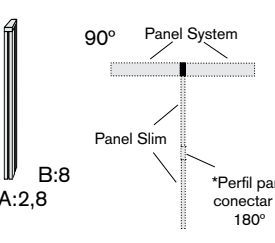
PANEL MIX: MELAMINE + UHPHOLSTERED + POLYESTYRENE GLASS

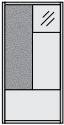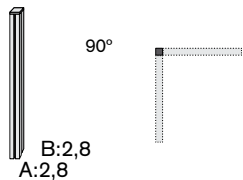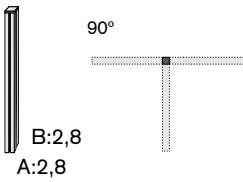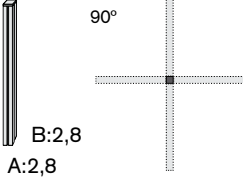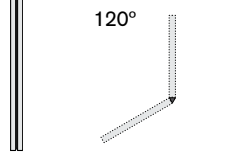|			
A h:110 B: 2,8	**LOW PANEL, h: 110**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8 140 x 2,8 160 x 2,8 180 x 2,8
A h:135 B: 2,8	**INTERMEDIATE PANEL, h: 135**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
A h:160 B: 2,8	**MEDIUM PANEL, h: 160**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
A h:185 B: 2,8	**HIGH PANEL, h: 185**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8

PANEL MIX: MELAMINE + UHPHOLSTERED + POLYESTYRENE GLASS

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h:110 A B: 2,8	**LOW PANEL, h: 110**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8 140 x 2,8 160 x 2,8 180 x 2,8
h:135 A B: 2,8	**INTERMEDIATE PANEL, h: 135**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:160 A B: 2,8	**MEDIUM PANEL, h: 160**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8
h:185 A B: 2,8	**HIGH PANEL, h: 185**	A x B	60 x 2,8 80 x 2,8 100 x 2,8 120 x 2,8

JOIN COLUMN BETWEEN PANELS

90° B:2,8 A:2,8	**JOIN COLUMN BETWEEN 90° PANELS (JOINING 2 PANELS AT 90°)**	h	110 135 160 185
90° B:2,8 A:2,8	**JOIN COLUMN BETWEEN 90° PANELS (JOINING 3 PANELS AT 90°)**	h	110 135 160 185
90° B:2,8 A:2,8	**JOIN COLUMN BETWEEN 90° PANELS (JOINING 4 PANELS AT 90°)**	h	110 135 160 185
120°	**JOIN COLUMN BETWEEN 120° PANELS (JOINING 2 PANELS AT 120°)**	h	110 135 160 185
120°	**JOIN COLUMN BETWEEN 120° PANELS (JOINING 3 PANELS AT 120°)**	h	110 135 160 185
	PROFILE TO JOIN PANELS AT 180°	h	110 135 160 185
90° Panel Slim Panel System Panel System B:8 A:2,8 Panel Slim	**JOIN COLUMN BETWEEN PANEL SLIM AND PANEL SYSTEM 90° PANELS (JOINING 4 PANELS AT 90°)**	h	110 135 160 185
90° Panel System Panel Slim B:8 A:2,8 *Perfil para conectar a 180°	**JOIN COLUMN BETWEEN PANEL SLIM AND PANEL SYSTEM 90° PANELS (JOINING 3 PANELS AT 90°)**	h	110 135 160 185
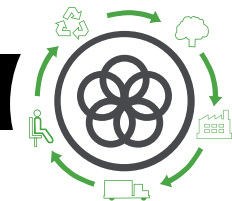
Life Cycle Analysis

PANEL SYSTEM Program
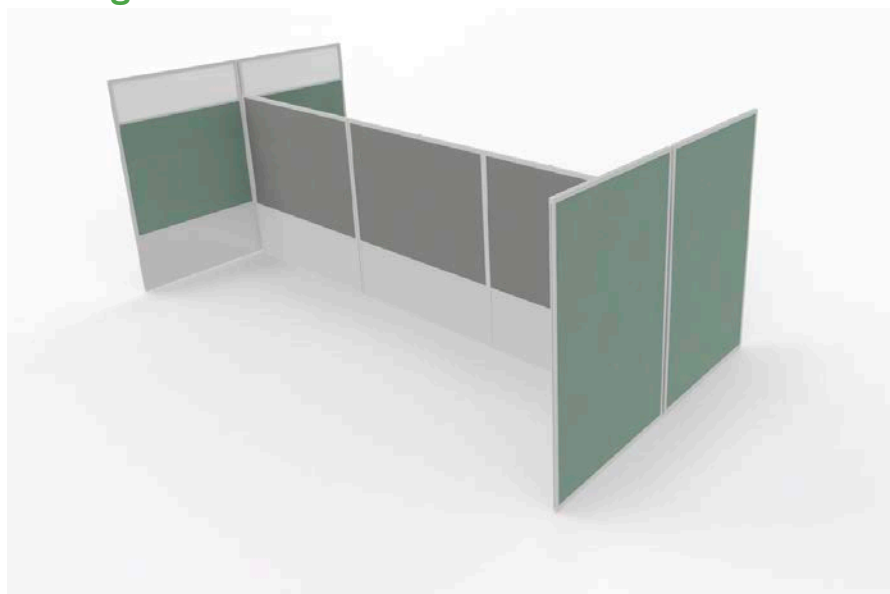
RAW MATERIALS		
Raw Material	Kg	%
Steel	4,25 Kg	15,9%
Aluminium	5,62 Kg	21%
Wood	16,23 Kg	60,7%
Upholstery / Fill material	0,43 Kg	1,6%
Polypropylene	0,16 Kg	0,6%
Polyamide	0,06 Kg	0,2%

% Recycled material= 68%
% Recyclable materials= 76,8%

Ecodesign

Results reached during the life cycle stages

MATERIALS

Wood
70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.

Steel
15%-99% recycled material.

Upholstered / Filling material
Filling without HCFC and upholsteries without COVs emisions. Accredited by Okotext.
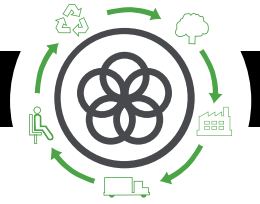
Plastic
30%-40% recycled material.

Paintings
Podwer painting without COV emissions

Packings
100% recyclable with inks with no solvents.

PRODUCT ENVIRONMENTAL STATEMENT

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%.

Podwer painting
ecovery 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.

TRANSPORT

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.

Forma 5 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):
Wood is 100% recyclable.
Steel is 100% recyclable.

With no air or water pollution
while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 76,8%

MAINTENANCE AND CLEANING GUIDE

MELAMINE PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

PLASTIC PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

METAL PIECES

1 Rub the dirty spots with a wet cloth with PH neutral soap.

2 Polished aluminium pieces can have their polish bak by covering and rubbing them with a dry cottom cloth.

GLASS PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.

Developed by TANDEM