

FARBEN DEKORE MUSTER STOFFE

FINISHES: TECHNICAL SPECIFICATIONS







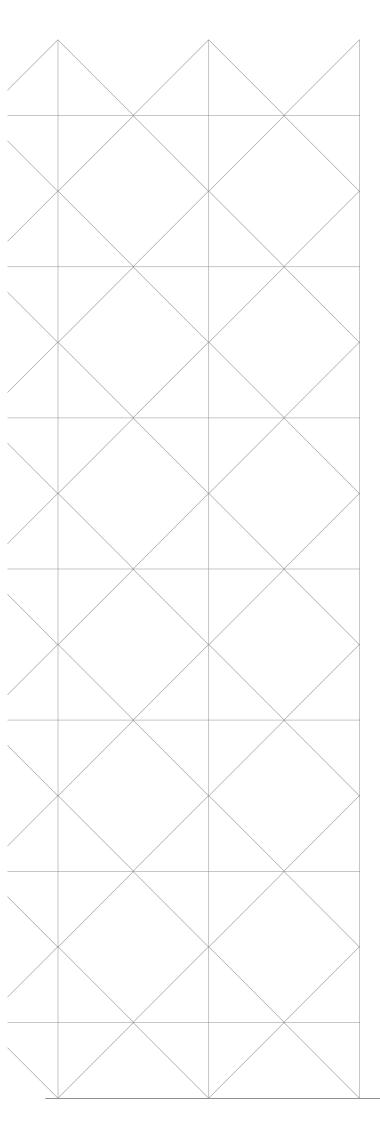
General



Chairs



Dekore



FINISHES

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MFC - HPL - COMPACT LAMINATE

	LIME OAK	MAPLE	LIGHT OAK	CHESTNUT	DARK OAK	WHITE	COCO GREY	BLACK	ANTI-FINGER- PRINT BLACK
MFC	11	18	10	07	14	00	15	08	03
C.LAMINATE						30		38	
* HPL						* 20			

* ONLY FOR PROJECTS



LIME OAK MAJESTIC ACACIA



LIGHT OAK *ROBLE NEW



CHESTNUT NOGAL NAB



DARK OAK FRESNO AHUMADO





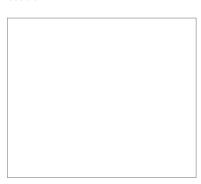
COCO GREY GRIS COCO



BLACK



ANTI-FINGERPRINT BLACK



WHITE HPL - WRITING SURFACE

MELAMINE TECHNICAL SPECIFICATIONS

High density particle desk top with FSC certification covered in heavyweight laminate. It presents an optimal surface, silky to touch with high durability and 100% recyclable.

Optimal surface characteristics according to the standard EN 14322

Optimal brightness values for working plans according to UNE 89401-2

Perfect machined characteristics

This product meets the requirements of Class E1 as defined in European Standard EN 14322:2017. Surfaces manufactured from chipboard and hot melt laminated surfaces certified to US EPA TSCA Title VI and CARB Phase 2 emission standards and products with reduced formaldehyde emission E05 (< 0.05 ppm EN 717-1).

LAMINATE TECHNICAL SPECIFICATIONS

High-density particle board made with PEFC certification and 0.7 mm thick high pressure laminate (HPL) coatings with thermosetting resins.

Excellent scratch resistance, extreme chemical and moisture resistance.

Completely non-toxic, resistant and easy to clean.

High Pressure Laminates (HPL):

Manufactured using several sheets of Kraft paper impregnated with phenolic resins with a sheet of decorative paper impregnated with melamine resins applied to one or both surfaces. The resin is cured in special presses, using the combined and coordinated action of heat (150°C) and pressure (90kg/cm2)

COMPACT LAMINATE TECHNICAL SPECIFICATIONS

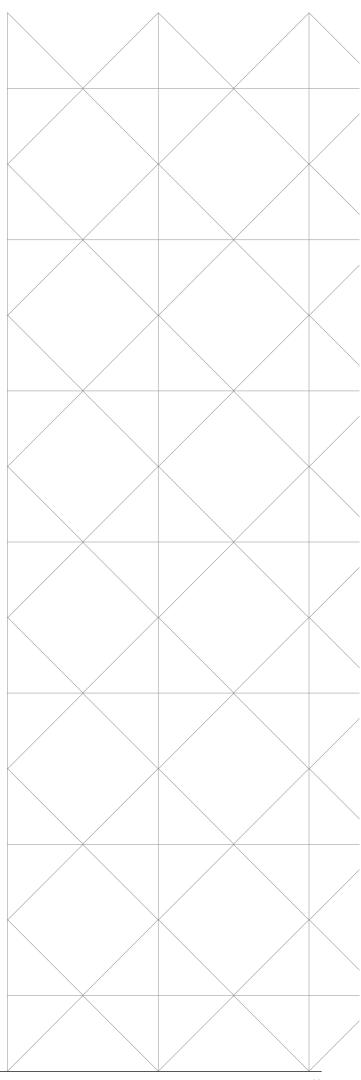
Compact desktop of 13 mm thickness and black coloured core manufactured entirely of high-pressure laminate (HPL) with termoestables phenolic resins.

Great resistance to abrasion, scratches and impact.

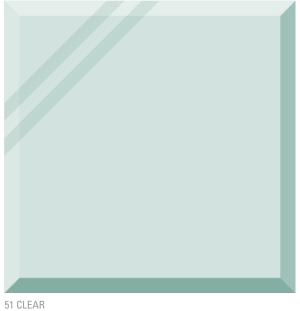
Resistance to water, moisture and high levels of steam

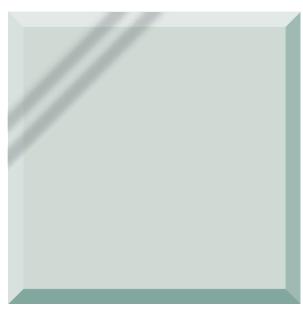
Highly resistant to many chemical products.

Hygienic.

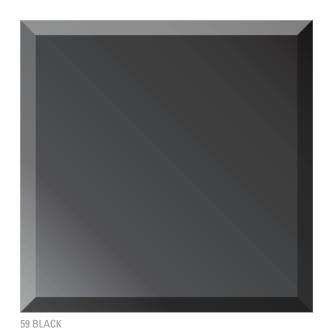


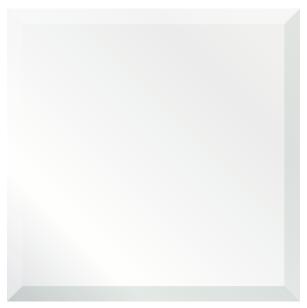
GLASS











52 WHITE

TECHNICAL SPECIFICATIONS GLASS

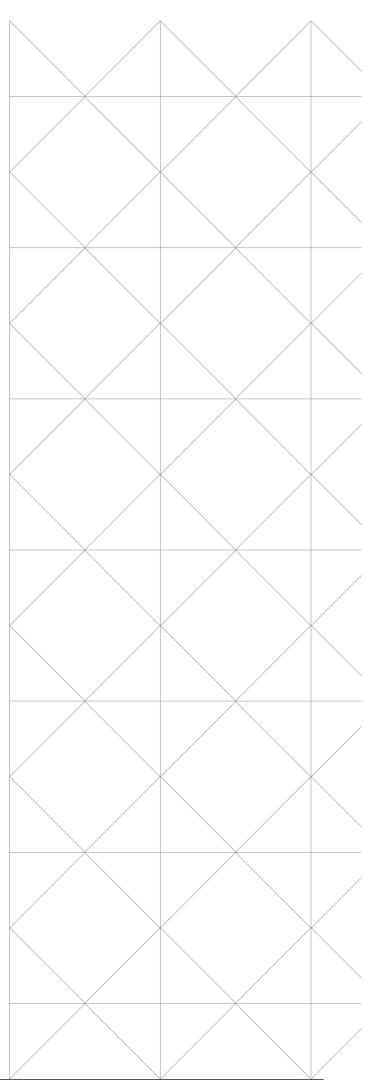
Laminated Security glass with internal translucent layer. Thickness available in 5+5 and 6+6 mm for desk surfaces. 4+4 mm for Screens, reception counter front panels and glass doors.

The laminated glass is the result of linking tow or more glass sections, linked by PVB layers (butiral polivinil). This material comines the specific glass properties such as transparency and durability, and the proper PVB features such as adhesion to the glass, elasticity and impact resistance, acoustic and UV protection, as well as providing different colour ranges.

The high elasticity of the PVB provides a high impact resistance, so before an impact on the glass, the PVB layer absorbs the impact energy and due to the adhesion, keeps linked to the glass

Extra clear tempered glass

Low level of iron oxide, it offers colourless luminosity (with not green tones) 10 mm thickness. The tempered glass has maximum high scratch and impact resistance. 100% Recyclable.



METAL



TECHNICAL SPECIFICATIONS METAL

All metal components, aluminum or steel, have epoxy-polyester finish. No toxic or solvent elements. Chromed finished is done over treated steel.

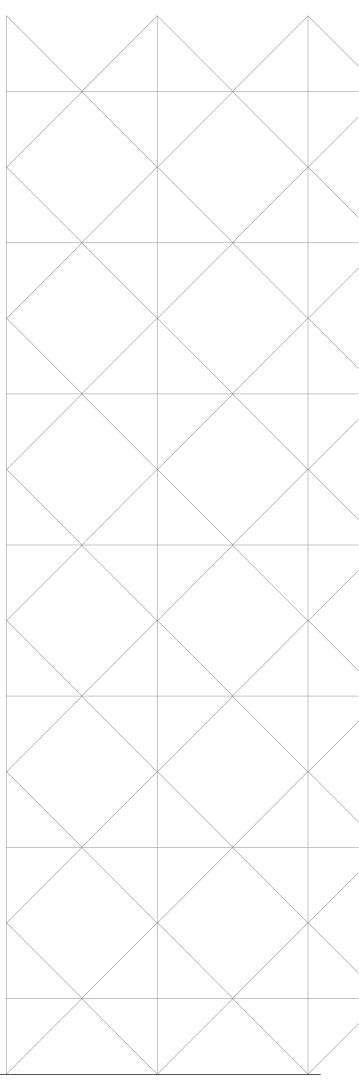
PAINTING FEATURES

- 1- Electrostatic coat, epoxy bonding 2nd generation. Polymerized 200°C with nano-ceramics and non-grease treatments to improve better covering and increase resistance to erosion and provide then better resistance and lasting.
- $2- Coating \ 80-90 \ micron \ thickness \ (it could be \ different \ as per \ the \ project \ requirements).$ This covering guarantees the finish and maintenance of metal structures.
- 3 Painting process:

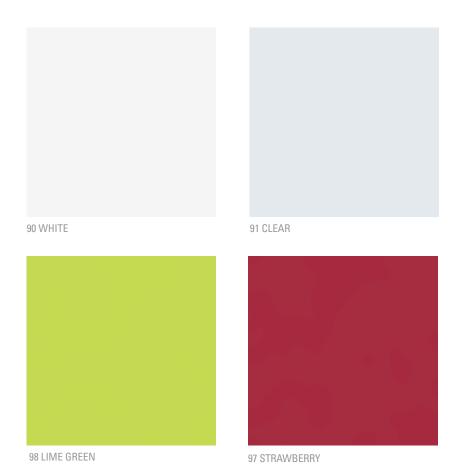
Painting plant has minimum environmental impact against the traditional industry processes.

Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 4% is used to produce other paints. Paints used are COVs free (Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump.

4 – Antibacterial finish (Optional)



METHACRYLATE P.M.M.A.



POLYCARBONATE

42 FROSTED

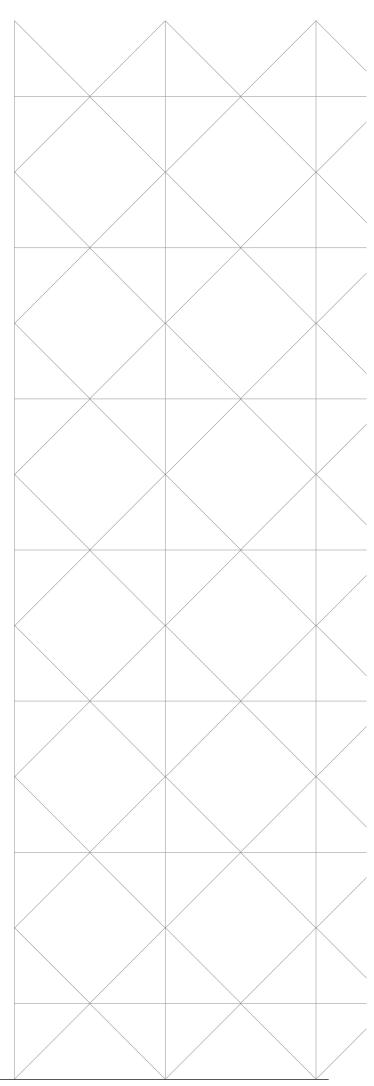
METHACRYLATES TECHNICAL SPECIFICATION

METHACRYLATE (PMMA)

Methacrylate is an ester type amorphous thermoplastic, transparent and colourless with great hardness. It possesses a high resistance to tensile and impact and has excellent clarity. Good resistance to weather, the most durable plastic under these conditions (including sun, rain, salt fog and pollution). It does not yellow nor crack against the action of UV rays. We recommend that you clean it with soap and water making sure to use a soft cloth that does not contain traces of particles that may scratch the material.

POLYCARBONATE (PC)

Polycarbonates are a group of easy working, molding and thermoforming, thermoplastics with resistance to extremely high impact, high transparency and rigid. Resistant to thermal deformation and weather, with high dimensional stability and good electrical insulation properties.



PET



IP21 BEIGE

PET ECO TECHNICAL SPECIFICATION



Recycled textile fibre



Density: 9 mm: 155 kg/m3 12 mm: 190 Kg./m3



Fire resistance:B, s1, d0 Fireproof. Complies with CTE DB-SI. Suitable for public premises.



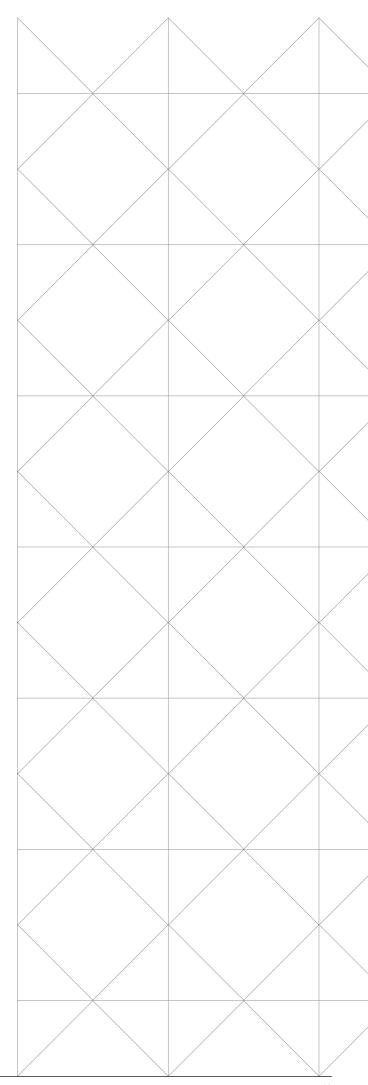
OEKO-TEX® Certificate
STANDARD 100
STANDARD 100
STANDARD 100 STANDARD 100



CE certified EN 15102:2007 + A1:2011



Made in Spain



Technical Profile MELAMINE FEATURES

■ BOARD DESCRIPTION

We use high density board 590-680 kg/m³ providing optimum strenght and stability for our products.

■ MELAMINE DESCRIPTION

90 and 120 grs./ m^2 density Melamine faced board available in 16, 19, 25 and 30 mm thick. 2mm thermobonded edging radiused 2 mm.

MELAMINE DENSITY

Exclusive High density melamine face (120 grs./ m^2 density) for the wooden finishes and 90 gr/ m^2 for the plain colours. Due to the high density our tops provide high resistance to humidity and scratch too.

TACT AND BRIGHTNESS

Due to the special grain included in surfaces, you can feel a real wood effect at the same time that is not bright finish so it is healthy to work with.

■ HIGHER DENSITY NEXT TO THE EDGES OF THE BOARD

The parts next to the top and bottom of the board has a higher density provising stronger ressissance to metal inserts and other mechanical actions over the product.

EXCLUSIVE DESIGNED EDGING

The edging is exclusively designed and manufactured, providing a high quality finish to the product. The edge is 2 mm thick radiused 2 mm.



■ TECHNICAL DATA-AVERAGE VALUES (MELAMINE)

	TOLERAN	CE ON NOM	INAL DIMENSIONS (M	ELAMINE)		
TEST METHOD	PROPERTIES	PROPERTIES UNITS THICKNESSES mm				
			<15	15-20	>20	
UNE-EN-14323	Thickness on nominal Dimensions	mm	+/-0,3 (AI,AV) +0,5/-0,3 (AH)	+/-0,3 (A1,AV) +0,5/-0,3 (AH)	+/-0,5	
UNE-EN-14323	Thickness within the board	mm	max-min <0,6	max-min <0,6	max-min <0,6	
UNE-EN-14323	Lenght & width	mm	+/-5	+/-5	+/-5	
UNE-EN-14323	Flatness	mm/m	_	≤2	≤2	

	COATING P	ROPERTIES (MELAMINE)	
UNE-EN-14323	Resistance to scratching	N	≽15
UNE-EN-14323	Resistance to cracking	rating	≽3
UNE-EN-14323	Surface aspect	rating	4
UNE-EN-14323	Resistance to staining	rating	≽3
VISUAL DEFECTS			
UNE-EN-14323	Edges damaged	mm	≤10
UNE-EN-14323	Surface defects. Points	mm²/m²	≤2
UNE-EN-14323	Surface defects. Lenght	mm/m ²	<20

	Resistance to abrasion	CLASS	IP NUMBER OF TURNS	WR NUMBER OF TURNS
UNE-EN-14323	Resistance to abrasion. Designs (general applications)	1	<50	<150
UNE-EN-14323	Resistance to abrasion. Uni- colors and horizontal Applications AH	3A	≤1 50	≽350

■ Melamine fulfill the standard UNE-EN-14322 as regards the low content on formaldehyde as per the CLASS E1

■ BOARD DESCRIPTION

High Pressure laminate (HPL) with 25 mm particle board core. 3 mm ABS thermobonded edging, radiused R=2 mm. It is high resistance to skratcehs, impact and easy to clean and maintenance. Its best selling features are:

Special surface treatment for higer wear resistance.

Resistance to impact and punching.

Surface resistance to chemical agents, domestic and matches.

■ TECHNICAL FEATURES (HPL)

Material consisting of layers of Kraft paper impregnated with thermosetting resins and a surface layer of decorative paper impregnated with aminoplastic resins, all bonded together by means of high pressure [9 Mpa] and high temperature [150°C]. It is also available in flame retardant version, where fire retardant additives are mixed to phenolic resins. This material is produced in conformity to EN 438-3:2005.

		TECHNICAL FEATURE	ES (HPL)		
PROPERTY	TEST METHOD (EN 438:2005)	PROPERTY OR ATTRI- BUTE	UNIT	VALUES HGS-HGF	VALUES VGS-VGF
Thickness ± tolerance	EN 438 - 2.5	Thickness (t)	mm	$0.5 \le t \le 1.0 \pm 0.10$ $1.0 < t < 2.0 \pm 0.15$	0,5 \le t \le 1,0 \pm 0,10 1,0 < t < 2,0 \pm 0,15
Flatness	EN 438 - 2.9	Maximum deviation	mm/mtl	60	60
Resistance to surface wear	EN 438 - 2.10	Wear resistance	revs	IP ≥ 150 A ≥ 350	IP ≥ 50 A ≥ 150
Resistance to immersion in boiling water	EN 438 - 2.12	Appearance gloss finish Appearance other finishes	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Resistance to dry heat 180° C	EN 438 - 2.16	Appearance gloss finish Appearance other finishes	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Resistance to wet heat 100° C	EN 12721	Appearance gloss finish Appearance other finishes	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Dimensional stability at elevated temperature	EN 438 - 2.17	Cumulative Dimensional change	% long. % trasv.	≤ 0,55 ≤ 1,05	≤ 0,75 ≤ 1,25
Resistance to impact by small diameter ball	EN 438 - 2.20	Spring force	N	≥ 20	≥ 15
Resistance to cracking	EN 438 - 2.23	Appearance	rating	≥ 4	≥ 4
(1) Resistance to scratching	EN 438 - 2.25	Force	rating	≥ 3	≥ 2
Resistance to staining	EN 438 - 2.26	App. groups 1-2 Appear. groups 3	rating	5 ≥ 4	5 ≽ 4
Lightfastness	EN 438 - 2.27	Contrast	grey scale rating	≥ 4	≥ 4
Resistance to cigarette burns	EN 438 - 2.30	Appearance	rating	≥ 3	≥ 3
Resistance to water vapour	EN 438 - 2.14	Appearance gloss finish Appearance other finishes	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Electrical resistance	NF PA 99	-	Ohm	10 ⁸ - 10 ¹¹	10 ⁸ - 10 ¹¹
Volume electrical resistance	EN 61340 - 4-1	Rv (23°C /50% RH)	Ohm	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹
Density	ISO 1183	Density	g/cm ³	≥ 1,40	≥ 1,40

⁽¹⁾ Resistance to scratching is depending from finish and colour. Note: The colour of individual lots may vary as a result of the technology and tyte of pigment used. Pay attention to the direction of the texture.



FIRE PERFORMANCE (HPL)				
TEST METHOD	STANDARD	CLASSIF	FICATION	
TEST METHOD	STANDARD	HGF/VGF	HGS/VGS	
Small flame and radiant panel	UNE-8457 UNE-9174 UNE-9177	class 1	class 2	
Spread of flame	BS 476-7	class 1	class 2	
Shaft Brand	DIN4102-1	B1	B2	
Epiradiator	NF P 92-501	M1	min. M3	
Smoke density and toxicity	NF F 16-101	min F2	min F2	
Heat release	IMO Res. A 653(16)	pass	pass	

Note: Fire test performance will depend on laminate thickness and construction, substrate type and thickness, and adhesive used.

BOARD DESCRIPTION

Compact Laminate board 13 mm thickness, manufactured by high pressure laminated phenolic resins. Black core, and white (a kind of grey touch), wengue or blacke top. High pressure Laminate support the pressure 90kg/cm² and 150°C temperature in special presser which provides the resins polycondensation.

■ TECHNICAL FEATURES (HPL)

2 mm thickness Material or thicker (maximum 30 mm). It is formed by kraft paper layers impregnate by resins and one or two decorative paper layers are impregnated with aminoplastic resin pressed 9MPa and 150°C. HPL layer is available at any thickness with decorative papers in both sides. From 2 to 4 mm thickness is also available in one face only. This material is manufactured according to the Standard **EN 438-4:2005.**

		TECHNICAL FEA	TURES (HPL)		
PROPERTY	TEST METHOD (EN 438:2005)	PROPERTY OR ATTRI- BUTE	UNIT	VALUES CGS	VALUES CGF
Thickness ± tolerance	EN 438 - 2.5	Thickness (t)	mm	$2,0 \le t < 3,0$ $3,0 \le t < 5,0$ $5,0 \le t < 8,0$ $8,0 \le t < 12,0$ $12,0 \le t < 16,0$ $16,0 \le t < 20,0$ $20,0 \le t < 25,0$ $25,0 \le t$	± 0,20 ± 0,30 ± 0,40 ± 0,50 ± 0,60 ± 0,70 ± 0,80
			mm/mtl (1 side dec.)	50 (2,0 ≤ t ≤ 4,0)	50 (2,0 ≤ t ≤ 4,0)
Flatness	EN 438 - 2.9	Maximum deviation	mm/mtl (2 side dec.)	8,0 $(2,0 \le t \le 6,0)$ 5,0 $(6,0 \le t \le 10,0)$ 3,0 $(10,0 \le t)$	8,0 $\{2,0 \le t \le 6,0\}$ 5,0 $\{6,0 \le t \le 10,0\}$ 3,0 $\{10,0 \le t\}$
Resistance to surface wear	EN 438 - 2.10	Wear resistence	rvs	IP ≥ 150 A ≥ 350	IP ≥ 150 A ≥ 350
	EN 438 - 2.12	Mass increase	%	< 5 (2 <v 5)<br="" <="" t="">< 2 (5 ≤ t)</v>	< 7 (2 < v t < 5) < 3 (5 < t)
Resistance to immersion in boiling water		Thickness increase	%	< 6 (2 <v 5)<br="" <="" t="">< 2 (5 ≤ t)</v>	<pre>< 9 (2 <v 5)<="" <="" pre="" t=""> <pre>< 6 (5 ≤ t)</pre></v></pre>
		Appear. gloss finish Appear. other finish	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Resistance to dry heat 180° C	EN 438 - 2.16	Appear. gloss finish Appear. other finish	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Resistance to wet heat 100° C	EN 12721	Appear. gloss finish Appear. other finish	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Dimensional stability at elevated temperature	Cumulative EN 438 - 2.17 dimensional change		% long. % trasv.	[2 ≤ t ≤ 5] 0,40 0,80	(2 ≤ t ≤ 5) 0,40 0,80
		% long. % trasv.	[5 ≤ t] 0,30 0,60	(5 ≤ t) 0,30 0,60	

PROPERTY	TEST METHOD (EN 438:2005)	PROPERTY OR ATTRI- BUTE	UNIT	VALUES CGS	VALUES CGF
Res. to impact by	EN 438 - 2.21	Drop height	mm (min)	1400 (2 \le t < 6) 1800 (6 \le t)	1400 (2 \le t < 6) 1800 (6 \le t)
large diameter ball	2.21	Indentation diameter	mm (max)	10	10
Resistance to crazing	EN 438 - 2.24	Appearance	rating	> 4	≥ 4
[1] Resistance to scratching	EN 438 - 2.25	Smooth finishes Texture finishes	rating	≥ 2 ≥ 3	≥ 2 ≥ 3
Resistance to staining	EN 438 - 2.26	Appear. groups 1-2 Appear. groups 3	rating	5 ≥ 4	5 ≥ 4
Lightfastness	EN 438 - 2.27	Contrast	grey scale rating	> 4	> 4
Resistance to cigarette burns	EN 438 - 2.30	Appearance	rating	≥ 3	≥ 3
Resistance to water vapour	EN 438 - 2.14	Appear. gloss finish Appear. other finish	rating	≥ 3 ≥ 4	≥ 3 ≥ 4
Electrical resistance	NF PA 99	-	0hm	10 ⁸ - 10 ¹¹	10 ⁸ - 10 ¹¹
Thermal conductivity	DIN 52 612	-	W/m. °K	0,25	0,25
Coefficient of linear thermal expansion	ASTM D 696	-	°C-1	L = 1,6 x 10 ⁻⁵ ca. T = 3,5 x 10 ⁻⁵ ca.	L = 1,6 x 10 ⁻⁵ ca. T = 3,5 x 10 ⁻⁵ ca.
Tensile strenght	EN ISO 527-2	Stress	Мра	L ≥ 100 T ≥ 70	L ≥ 100 T ≥ 70
Flexural strenght	EN ISO 178	Stress	Мра	L ≥ 100 T ≥ 90	L ≥ 100 T ≥ 90
Flexural modulus (E)	EN ISO 178	Stress	Мра	L ≥ 10.000 T ≥ 9.000	L ≥ 10.000 T ≥ 9.000
Density	ISO 1183	Density	g/cm ³	≥ 1,40	≥ 1,40

⁽¹⁾ Resistance to scratching is depending from finish and colour. Note: The colour of individual lots may vary as a result of the technology and tyte of pigment used. Pay attention to the direction of the texture.

FIRE PERFORMANCE (HPL)				
TEST METHOD	TEST METHOD STANDARD		ICATION	
TEST METHOD	STANDARD	CGF	CGS	
Small flame and radiant panel	UNE-9457 UNE-9174 UNE-9177	class 1	class 1	
	UNI CEI 11170-3	class 1A	/	
Spread of flame	BS 476-7	class 1	class 1	
Brandschacht	DIN4102-1	B1	B2	
Epiradiateur	NF P 92-501	M1	M2	
Smoke dendity and toxicity	NF F 16-101	min F2	min F2	
Reaction to fire	EN 13501-1	(t ≥ 3) B-s2,d0 ⁽²⁾	[t ≥ 6] C-s2,d0 ^[2]	

^[2] The laminate manufacturer should be contacted for details of fire test reports and certifications held, and for information on fire test methods and specifications.

Technical Profile GLASS **FEATURES**

■ DESCRIPTION

Laminated Security glass with internal translucent layer. Thickness available in 5+5 and 6+6 mm for desk surfaces. 4+4 mm for Screens, reception counter front panels and glass doors.

The laminated glass is the result of linking tow or more glass sections, linked by PVB layers (butiral polivinil). This material comines the specific glass properties such as transparency and durability, and the proper PVB features such as adhesion to the glass, elasticity and impact resistance, acoustic and UV protection, as well as providing different colour ranges.

The high elasticity of the PVB provides a high impact resistance, so before an impact on the glass, the PVB layer absorbs the impact energy and due to the adhesion, keeps linked to the glass

Extra clear tempered glass

Low level of iron oxide, it offers colourless luminosity (with not green tones) 10 mm thickness. The tempered glass has maximum high scratch and impact resistance. 100% Recyclable.

■ TECHNICAL FEATURES:

TECHNICAL FEATU	RES			
FEATURES	COMPOSITION	LEVEL HOMOLOGATION	UNIT	STANDARDS
Impact resistant	4+4 (0,38-PVB) 5+5 (0,38-PVB) 6+6 (0,38-PVB)	Level A Level A Level A		EN 12 600 EN 12 600 EN 12 600
Acoustic properties	4+4 (0,38-PVB) 5+5 (0,38-PVB) 6+6 (0,38-PVB)		34 Rw (DB) 35 Rw (DB) 38 Rw (DB)	

Technical Profile METAL **FEATURES**

METAL (FEATURES)

All metal components, aluminum or steel, have epoxy-polyester finish. No toxic or solvent elements. Chromed finished is done over treated steel.

■ PAINTING (Features)

1 – Electrostatic coat, epoxy bonding 2nd generation. Polymerized 200°C with nano-ceramics and non-grease treatments to improve better covering and provide then better resistance and lasting.

2 - Coating 80-90 micron thickness (it could be different as per the project requirements).

This covering guarantees the finish and maintenance of metal structures.

3 - Painting process:

Painting plant has minimum environmental impact against the traditional industry processes.

Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 2% is used to produce other paints. Paints used are COVs free (Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump.

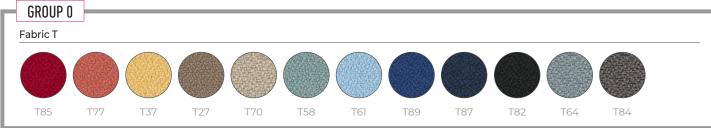
4 - Antibacterial finish (Optional)

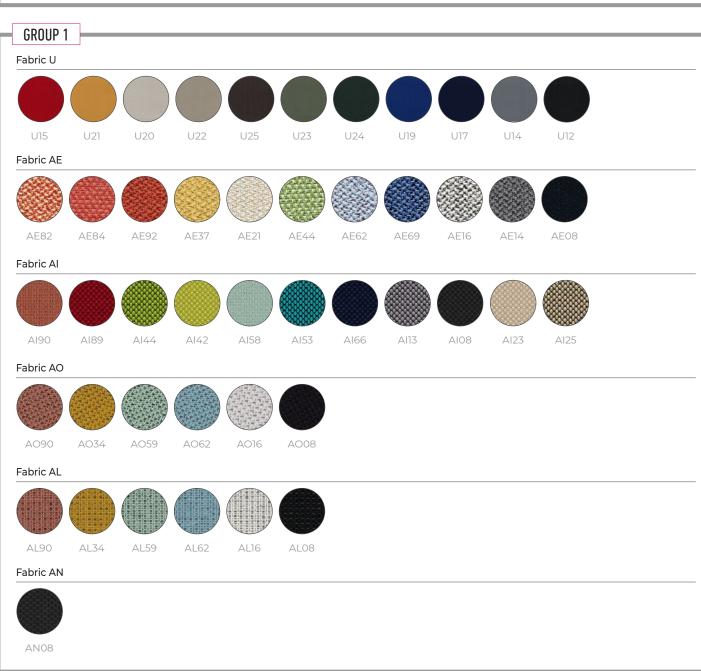


Stoffmuster

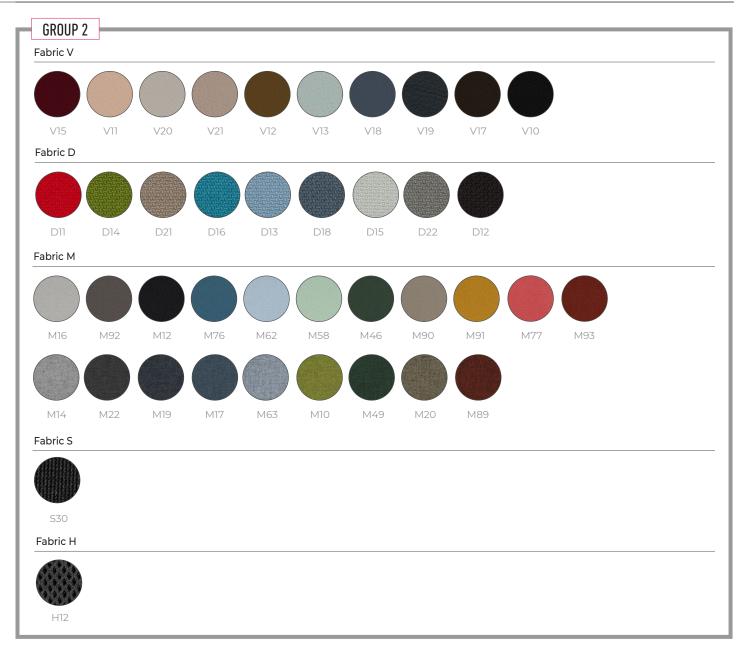
STANDARD OFFER

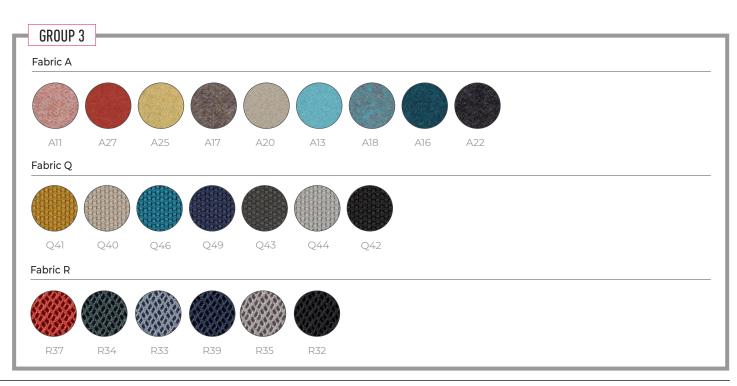
FEATURES

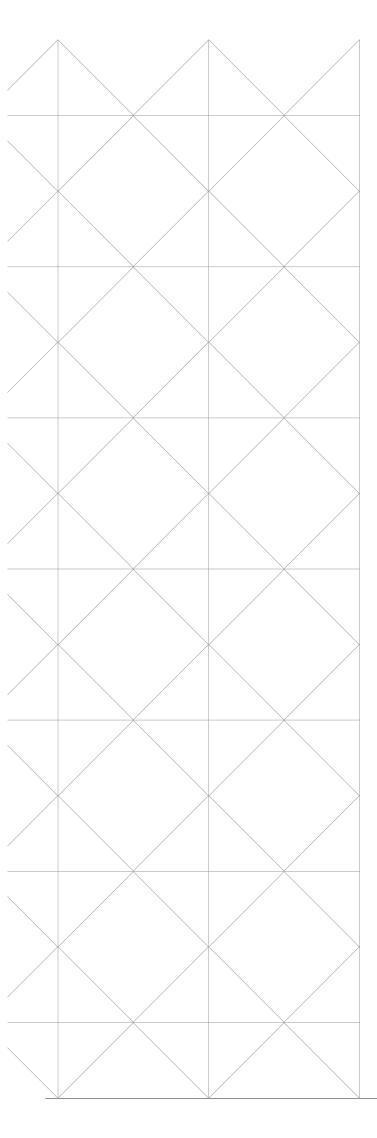












FINISHES

FABR	RICS GROUP U
•	Fabric "T"
FABR	RICS GROUP 1
•	Fabric "U"06
•	Fabric "AE"08
•	Fabric "Al"10
•	Fabric "AO"12
•	Technical Mesh "AL"14
•	Fabric "AN"16
FABR	RICS GROUP 2
•	Fabric "V"
•	Fabric "D"21
•	Fabric "M"23
•	Fabric "M"25
•	Technical Mesh "S"27
•	Technical Mesh "H"29
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•	Technical Mesh "R"34
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•	Metal
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FABRICS GROUP



FABRIC "T"

T - 100% POLYESTER® NON METALLIC DYESTUFFS



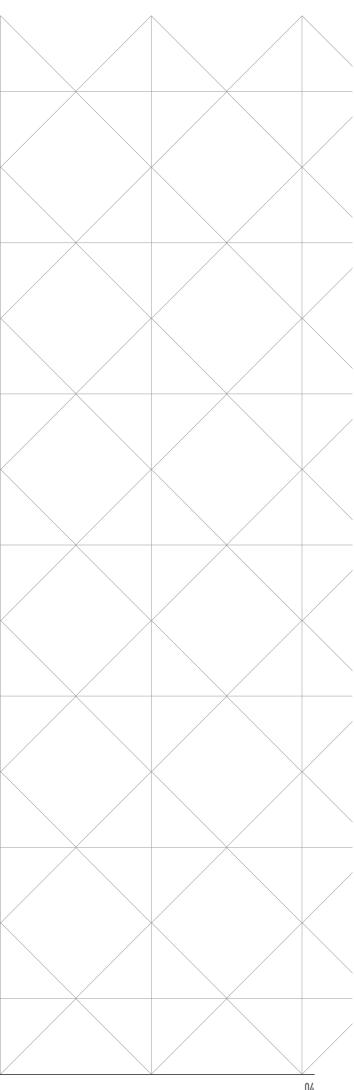


It is strongly recommended to read the technical specifications before choosing the upholstery.

TECHNICAL SPECIFICATIONS - FABRIC "T" BASIC F.R. - EXIT FABRICS

Sectors Aplications	Contract Office Leisure Decoration Home	
Aplications		
	Armchairs, Chairs, Sofas, Stools, Puffs, Retail, Leather, Office furniture, Home furniture, Screens, Acoustic panels, Curtains, Decoration accessories	
Description	Basic is a fire-resistant crepe fabric made of 100% polyester. Versatile and functional, this is a popular collection for upholstering office furniture (chairs, dividers, seats, etc.). With a range of 58 colours in the catalogue and the possibility of creating custom colours, Basic F.R is offered as an optimal solution.	
Features	Flame retardant Indoor use High resistance to abrasion Stretch Eco-clean optional Acoustic absorption Long durability	
Composition	Polyester	100%
Width	gr/m2 ± 5% gr/m1 ± 5%	335 470
Weight	cm (+/- 2%)	140
Long	meters (+/- 10%)	45
Abrasion resistance	EN ISO 12947-2 Martindale cycles	45.000
Pilling	EN ISO 12945-2 (scale 1-5; 5 best value)	4-5
Colour fastness to light	EN ISO 105-B02 Method 2 (scale 1-8; 8 best value)	5-6
Colour fastness to rubbing	EN ISO 105-X12 Dry / Wet	4/4
Tear resistance	EN ISO 13937-3 Warp / Weft	140 N / 110 N
Acoustic absorption	EN ISO 10534-2 Acoustic absorption peak	0,9
Flammability	UE: EN 1021 1/2 UK: BS 5852 0 UK: BS 7176 Low Hazard USA: CAL TB 117 Section 1 USA: NFPA 260 Class 1 Regulation n° 118 UNECE Annex 6 IMO MSC.307 (88) Annex I Part 8	
	Flammability performance is dependent on foam used.	
Maintenance	Vacuum regularly. In case of stains, use a damp cloth with neutral soap suitable for cleaning of upholstery products. We would be delighted to attend to you if you have any doubt that may arise regarding this or other information.	

In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.



FABRICS GROUP

FABRIC "U"

87% COATING: PVC 5% TEXTILE: CO 8% TEXTILE: PES

























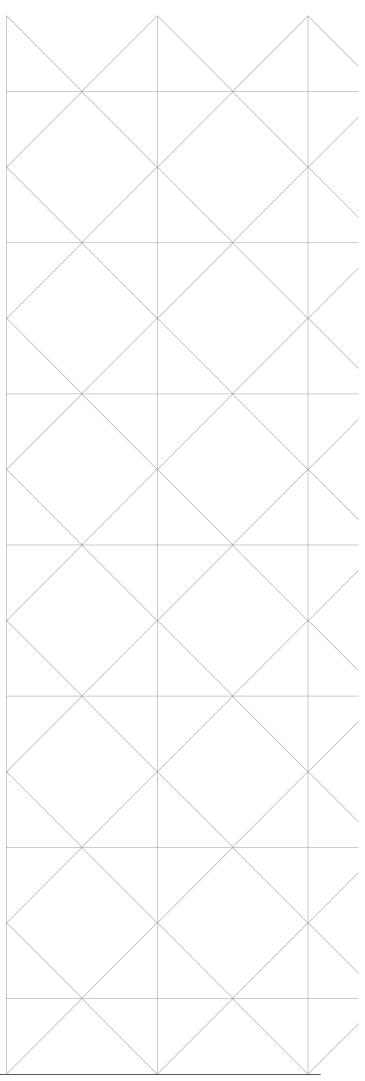
TECHNICAL SPECIFICATIONS FABRIC "U" LAGUNA - MONTEIRO FABRICS

Material	Coating: PVC	87%
	Textile: CO	5%
	Textile: PES	8%
Weight	g/m² - DIN 53352	660
Width	cm	137 - 140
Thickness	mm	0,90 - 1,10
Abrasion resistanceCleaning	ISO 5470-2 (Martindale cycles)	100.000
Flammability	Rub gently with damp cloth or sponge. Do not use multi-purpose products	
	EN1021 1&2	
	FMVSS302	
	UNI 9175 1.IM,	
	NF P 92-507 - M2	
Antibacterial / antifungal	Reg. N 118: Annex 6,7	



Subject to changes and colour diferences

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FABRIC "AE"

AE - 100% POLYESTER®











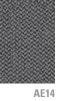






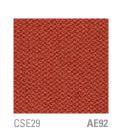
GROUP

CSE13























It is strongly recommended to read the technical specifications before choosing the upholstery.

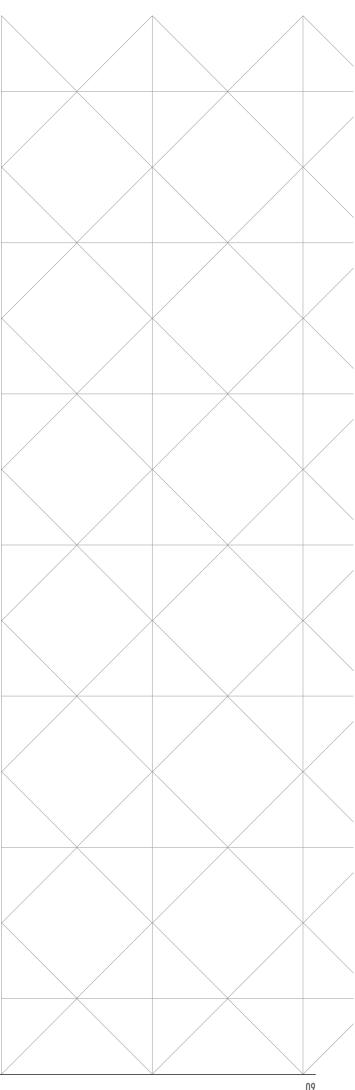
TECHNICAL SPECIFICATIONS - FABRIC "AE" ERA - CAMIRA

Sectors	Contract Office	
Environment	Certified to OEKO-TEX® Standard 100 Certified to Indoor Advantage™ Gold Non metallic dyestuffs	
Composition	Polyester	100%
Weight	gr/m2 ± 5% gr/m1 ± 5%	320 448
Width	cm (+/- 2%)	140
Abrasion resistance	Heavy duty / 10 year guarantee Independently certified to ≥100,000 Martindale cycles	≥100,000
Colour fastness to light	EN ISO 105-B02 Method 2 (scale 1-8; 8 best value)	5
Colour fastness to rubbing	EN ISO 105-X12 Dry / Wet	4/4
Bleach Cleanable	ISO 105 E03 colour change 4 for dilution factor 1:4 chlorine solution	
Acoustic Properties	Acoustically transparent, acoustic graphs available upon request.	
Inflamabilidad	EN 1021 - 1 (cigarette) EN 1021 - 2 (match) BS 7176 Low Hazard EN 13501-1 Adhered Class B, s1, d0 EN 13501-1 Un-adhered Class C, s1, d0 Optional: Please specify when ordering: BS 5852 Ignition Source 5 with EnviroFlam5 BS 7176 Medium Hazard with EnviroFlam5 The Furniture and Furnishing (Fire Safety) Regulations 1988 (UK domestic cigarette and match) with EnviroFlam5 Note: Flammability performance is dependent on components used. Our certificates show what substrates have been used in our tests. For composite tests customers must ensure their complete furniture meets the necessary standards.	
Cleaning	Vacuum regularly. Wipe with a damp cloth using a proprietary upholstery shampoo/soap. For deeper cleaning use steam, bleach, alcohol or professionally dry clean. Can be washed at 60°C. Full details can be found in our cleaning and disinfection guide.	



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Subject to changes and colour diferences





FABRIC "AI"

AI - 100% POLYESTER®























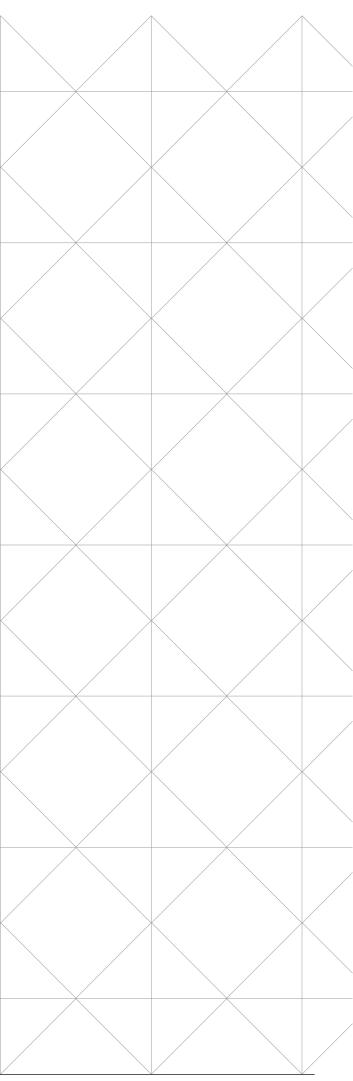


TECHNICAL SPECIFICATIONS GROUP "AI" RADIO - FIDIVI

polyester FR	100%
gr/m2 ± 5% (EN 12127) gr/m1 ± 5% (EN 12127)	560 400
cm ± 2%	140
rubs - EN ISO 12947-2 (Martindale) ± 10%	80.000
scale 1-5, max. 5 - EN ISO 12945-2	5
scale 1-8, max. 8 - EN ISO 105 - B02 (Xenotest)	6
scale 1-5, max. 5 - EN ISO 105X12 (wet/dry) (Crockmeter)	4-5/4-5
Wash or dry cleaning P (W)	
(40°) (P) (X)	
UNI 9174 - 8456 Class C1 UNI 9175 Class 1 IM DIN 4102 Class B1 NF 92501-7 Class M1 NF D 60013 Class AM18 EN 1021-1 & 2 BS Crib 5 BS 7176 Class Medium Hazard EN 13773 Class 1 OENORM 3800-1 Class B1,Q1,TR1 California TB117 USA NFPA 701 USA NFPA 260 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used	
Certificado de OEKO-TEX® Standard 100	
	gr/m2 ± 5% (EN 12127) gr/m1 ± 5% (EN 12127) cm ± 2% rubs - EN ISO 12947-2 (Martindale) ± 10% scale 1-5, max. 5 - EN ISO 12945-2 scale 1-8, max. 8 - EN ISO 105 - B02 (Xenotest) scale 1-5, max. 5 - EN ISO 105X12 (wet/dry) (Crockmeter) Wash or dry cleaning P (W) Wash or dry cleaning P (W) UNI 9174 - 8456 Class C1 UNI 9175 Class 1 IM DIN 4102 Class B1 NF 92501-7 Class M1 NF D 60013 Class AM18 EN 1021-1 & 2 BS Crib 5 BS 7176 Class Medium Hazard EN 13773 Class 1 OENORM 3800-1 Class B1,Q1,TR1 California TB117 USA NFPA 701 USA NFPA 701 USA NFPA 260 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used



In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.





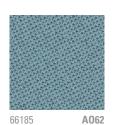
FABRIC "AO"

AO - 99% POST-CONSUMER RECYCLED POLYESTER® / 1% POLYESTER®

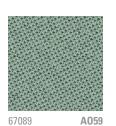














TECHNICAL SPECIFICATIONS GROUP AO TONAL - GABRIEL

Material	Post-consumer recycled polyester Polyester	99% 1%
Weight	2490: lin. metre aprox. grams 2495: lin. metre aprox. grams	315 385
Width	2490 - cm 2495 - cm	140 170
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale) double rubs wyzenbeek (ASTM D4157-07) (heavy duty upholstery)	100.000
Piling	scale 1-5. max. 5 - EN ISO 12945-2	4-5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 105 - B02	6-8
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5/4-5
Cleaning	Wash or dry cleaning P (W) Felicity is made of polyester which is a material suited for e with special requirements for cleaning.	nvironments
	60°C shrinkage máx. 2,5%.	
US ACT	ASTM D4157-07 Wyz abrasion (heavy duty) 100k ASTM D3511 Pilling AATCC 16 Light fastness AATCC 8 o 116 Wet/dry crocking CA TB 117-2013 ASTM E 84 Class I	PASS PASS PASS PASS PASS
	Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan	
Acoustic test air flow resistance	EN 29053 & ISO 9053-1 (airflow resistance)	
Flammability	CA TB 117-2013 ASTM E 84 Class I BS EN 1021 1&2 Cigarette and Match BS EN 1021-1 Cigarette BS 476 Part 7 class I DIN EN 13501-1 B-sl,d0(glued) Will also pass other flammability standards. Flame retarda performance is dependent upon the foam used. Contains no flame retardant chemicals.	nt
Environment	STANDARD 100 by OEKO-TEX® EU Ecolabel	

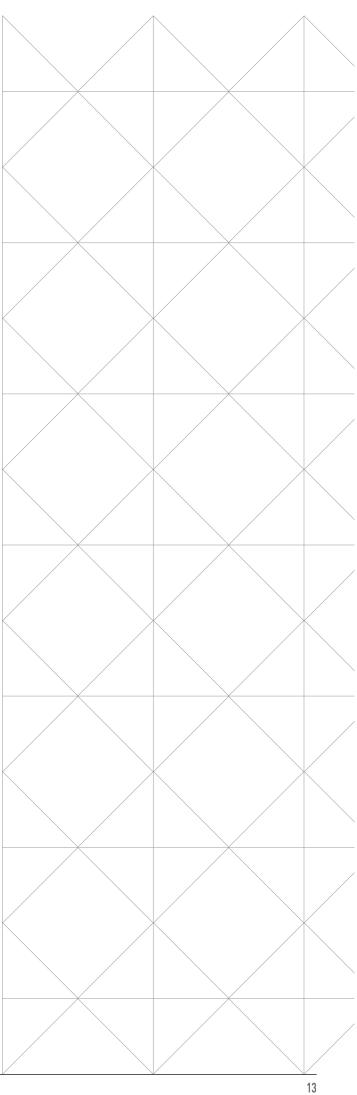
Subject to changes and colour diferences







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Technical Profile



FABRIC "AL"

AL - 99% POST-CONSUMER RECYCLED POLYESTER® / 1% POLYESTER®















TECHNICAL SPECIFICATIONS GROUP AL TALE - GABRIEL

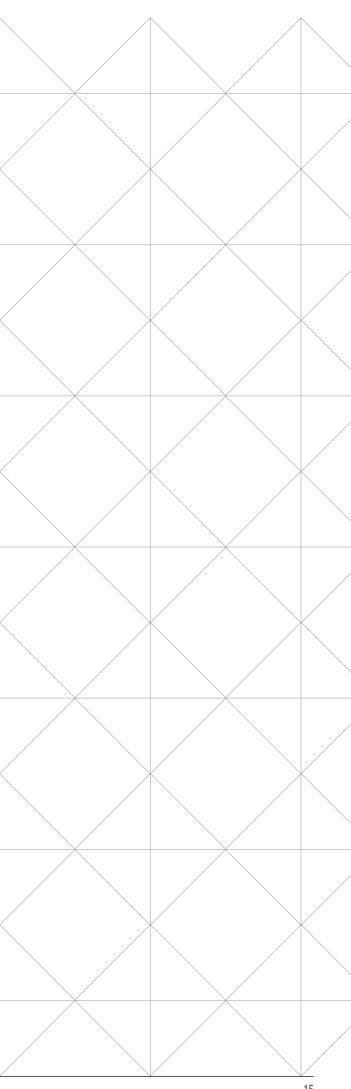
Material	Post-consumer recycled polyester Polyester	99% 1%
Weight	lin. metre aprox. grams	365
Width	cm	140
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale) double rubs wyzenbeek (ASTM D4157-07) (heavy duty upholstery)	100.000
Piling	scale 1-5, max. 5 - EN ISO 12945-2	4-5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 105 - B02	6-8
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5/4-5
Cleaning	Wash or dry cleaning P (W) Felicity is made of polyester which is a material suited for envir with special requirements for cleaning.	onments
US ACT	60°C shrinkage máx. 2,5%. ASTM D4157-07 Wyz abrasion (heavy duty) 100k ASTM D3511 Pilling AATCC 16 Light fastness AATCC 8 o 116 Wet/dry crocking CA TB 117-2013 Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan	PASS PASS PASS PASS PASS
Flammability	BS EN 1021-1 Cigarette BS EN 1021 1&2 Cigarette and Match CA TB 117-2013 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used. Contains no flame retardant chemicals.	
Environment	STANDARD 100 by OEKO-TEX® EU Ecolabel	
Subject to changes and colour	diferences	







In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.





FABRIC "AN"

AN - 100% POLYESTER®





TECHNICAL SPECIFICATIONS GROUP "AN" ONE - FIDIVI

Material	polyester FR	100%
Weight	gr/m2 ± 5% (EN 12127) gr/ml ± 5% (EN 12127)	525 350
Width	cm ±2%	150
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale) ± 10%	100.000
Piling	scale 1-5, max. 5 - EN ISO 12945-2	5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 105 - B02 (Xenotest)	6
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry) (Crockmeter)	4/5
Cleaning	Wash or dry cleaning P (W)	
	60° P 🔀	
Flammability	UNI 9175 Class 1 IM EN 1021-1 & 2 BS 5852 CRIB 5 BS 7176 Class Medium Hazard California TB 117-2013 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used	
Environment	Certificado de OEKO-TEX® Standard 100	
Subject to changes and colour	diferences	

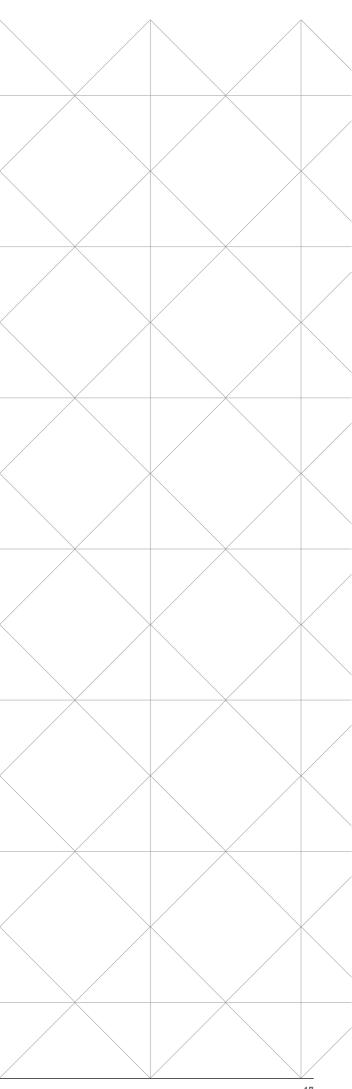








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FABRICS GROUP 2



FABRIC "V"

GASSEUNO
FIRE RETARDANT

VINYL / URETHANE TOPCOAT























It is strongly recommended to read the technical specifications before choosing the upholstery.

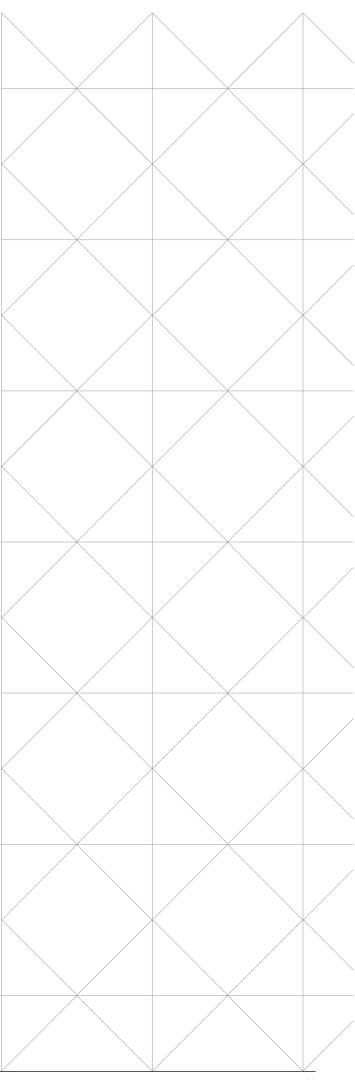
TECHNICAL SPECIFICATIONS GROUP V VALENCIA - SPRADLING

Subject to changes and colour diferences

Material	Vinyl / Urethan	ne Topcoat	100%
Soporte	Hi-Loft²"	Specialty knitted textile manufactured polyester yarns aimed at creating a bac strength, and unusual softness	
Finishes and treatments	PERIMABLOK 31	PERMA BLOK ³⁸ : Vinyl protective coating to create a effective barrier for germs, stains. Cold Crack -23°C Anti-stain Finish Sulfide Stain Resistant Mildew resistant backing and face Anti-static Finish UV-Resistance XENOTEST DIN 54004, EN 71-3 Safety of Toys (Migration of cer	abrasions and
Weight	lin. metre apro	x. grams	650
Width	cm		137
Abrasion resistance	rubs - EN ISO 12947:1999-2 (Martindale) 300.0		300.000
Flame Retardancy	EU: EN 1021 Part 1 & 2 ES: UNE 23.777-90 1R/M.2 FR: NF P 92-503/M2 DE: DIN 4102 B2 IT: UNI 9175 (1987) / UNI 9175/FAI (1994) Classe 1.IM (UNO I EMME) AT: ÖNORM B 3825, Gruppe 1 - Schwerbrennbares Verhalten AT: ÖNORM A 3800 Teil 1, Qualmbildungsklasse Q1 - schwachqualmend IMO FTP 2010 Code MSC.307 (88) Part 8 3.1 & 3.2 US: FMVSS 302 US: FAR 25/853 (MED) Marine Equipment Directive (in its current valid version) ECE R118.02 (replaces Directive 95/28/CE) Annexes 6, 7 & 8 EN 71-22006+A12007 - Safety of Toys - Parte 2: Flammability Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used and fireproof treatment.		

FIRE RETARDANT

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FABRIC "D"

SSENIEMET 2 CLASSE UND
FIRE RETARDANT

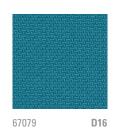
100% RECYCLED POLYESTER / FLAME RETARDANT





















TECHNICAL SPECIFICATIONS GROUP D FELICITY - GABRIEL

Material	100% post-consumer recycled polyester		100%
Weight	lin. metre aprox. grams		430
Width	cm		140
Abrasion resistance	rubs - EN ISO 12947-2 (Mart double rubs wyzenbeek (A duty upholstery)		90.000
Piling	scale 1-5, max. 5 - EN ISO 12	945-2	5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 10	05 - B02	5-7
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 10	5X12 (wet/dry)	4-5/4-5
Cleaning	Wash or dry cleaning P (W Felicity is made of polyeste with special requirements 40°C shrinkage máx 1,5%. 60°C shrinkage máx 2,5%.	r which is a material suited for	environments
US ACT	ASTM D4157-07 Wyz abrasi ASTM D3511 Pilling AATCC 16 Light fastness AATCC 8 o 116 Wet/dry croc CA TB 117-2013		PASS PASS PASS PASS PASS
Flammability	BS EN 1021 182 Cigarette and Match CA TB 117-2013 Will also pass other flammability standards. Contain no flame retardant chemical. Flame retardant performance is dependent upon the foam used and fireproof treatment.		am used and
Certificates	Abrasion resistance Breaking force Colour fastness to rubbing Pilling Seam slippage Environment	- BS EN ISO 12947-2/14465 - ASTM D5034 Breaking for - BS EN ISO 105-X12 - BS EN ISO 12945-2 - BS EN ISO 13936-2 - ASTM D4034 Yarn slippage - Oeko-Tex - EU Ecolabel - Bronce Cradle to Cradle	

Subject to changes and colour diferences

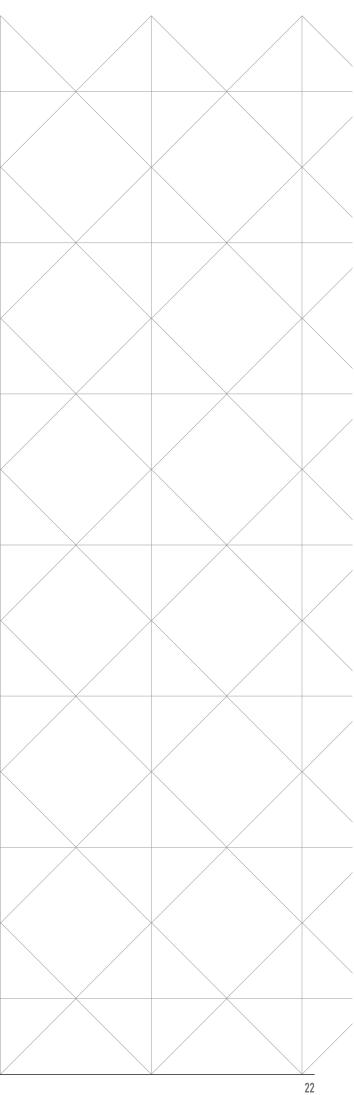








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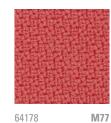
FABRIC "M"

FIRE RETARDANT

100% TREVIRA CS / FLAME RETARDANT











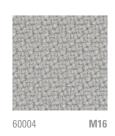














It is strongly recommended to read the technical specifications before choosing the upholstery.

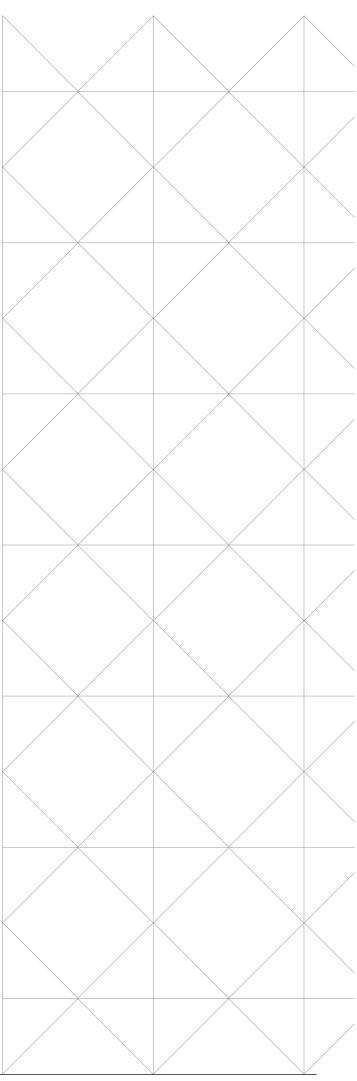
TECHNICAL SPECIFICATIONS GROUP "M" STEP - GABRIEL

Material	Trevira CS	100%
Weight	lin. metre aprox. grams	470
Width	cm	140
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale)	100.000
Pilling	escale 1-5, max. 5 - EN ISO 12945-2	4-5
Colour fastness to light	escale 1-8, max. 8 - EN ISO 105 - B02	5-7
Colour fastness to rubbing	escale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5
Cleaning		
	₩ 🏿 🖹 🖹 Shrinkage: max 5,0%	
US ACT	AATCC 16 Light fastness	Pass
	ASTM D3511 Pilling	Pass
	ASTM D4157-07 Wyz abrasion (heavy duty)	Pass
	CA TB 117-2013	Pass
	AATCC 8 or 116 Wet/dry crocking	Pass
Flammability	IMO MSC 307(88) Annex 1 part 8 MED Certificate IMO DIN 4102 - B1 NFP 92-503/504/505 M1 BS EN 1021 182 Cigarette and Match BS EN 1021-1 Cigarette BS 5852 Part 1 0,1 Cigarette & match BS 5852 Crib 5 ÖNORM A3800-B1-B3825-Q1 UK FAR/JAR 25.853 (a) (i) (ii) BS 7176 Medium hazard AM 18 - NF D 60-013-(only for fabric) CA TB 117-2013 Class Uno UNI 9175 Class 1 I EMME DIN EN 13501-1 B-\$1,d0 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used.	

Subject to changes and colour diferences



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FABRIC "M"

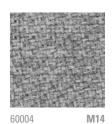


100% TREVIRA CS / FLAME RETARDANT



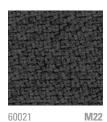


















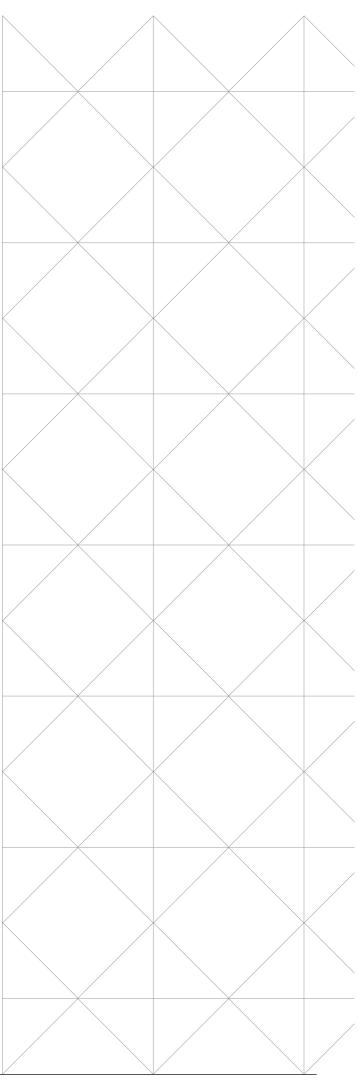
TECHNICAL SPECIFICATIONS GROUP "M" STEP MELANGE - GABRIEL

Material	Trevira CS	100%
Weight	lin. metre aprox. grams	470
Width	cm	140
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale)	100.000
Pilling	escale 1-5, max. 5 - EN ISO 12945-2	4-5
Colour fastness to light	escale 1-8, max. 8 - EN ISO 105 - B02	5-7
Colour fastness to rubbing	escale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5
Cleaning	₩X⊠® Shrinkage: max 3,0%	
	₩ 🗷 🖻 🖾 Shrinkage: max 5,0%	
US ACT	AATCC 16 Light fastness	Pass
	ASTM D3511 Pilling	Pass
	ASTM D4157-07 Wyz abrasion (heavy duty)	Pass
	CA TB 117-2013	Pass
	AATCC 8 or 116 Wet/dry crocking	Pass
Flammability	IMO MSC 307(88) Annex 1 part 8 MED Certificate IMO DIN 4102 - B1 NFP 92-503/504/505 M1 BS EN 1021 182 Cigarette and Match BS EN 1021-1 Cigarette BS 5852 Part 1 0,1 Cigarette & match BS 5852 Part 1 0,1 Cigarette & match BS 5852 Crib 5 ÖNORM A3800-B1-B3825-01 UK FAR/JAR 25.853 (a) (i) (ii) BS 7176 Medium hazard AM 18 - NF D 60-013-(only for fabric) CA TB 117-2013 Class Uno UNI 9175 Class 1 I EMME DIN EN 13501-1 B-s1,d0 Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used.	

Subject to changes and colour diferences



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FABRIC MESH "S"

100% POLYESTER®





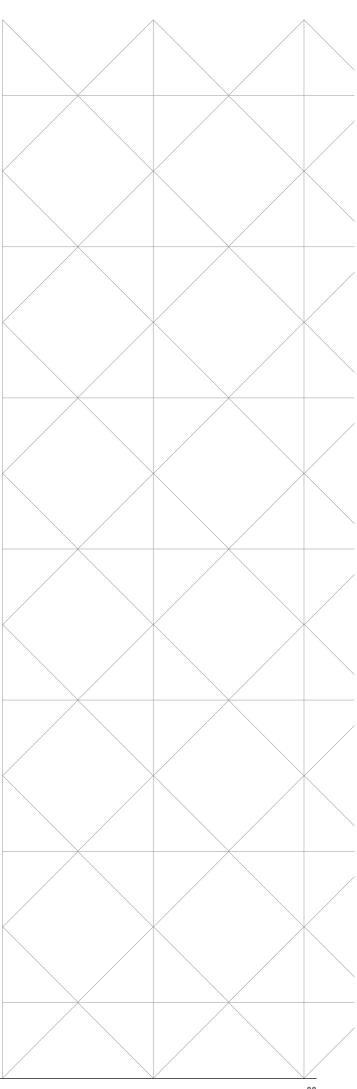
S30

TECHNICAL SPECIFICATIONS FABRIC MESH "S" STRING - GABRIEL

Material	Polyester	100%
Weight	lin. metre aprox. grams	330
Width	cm	150
Abrasion resistance	rubs - BS EN ISO 12947-2 (Martindale)	70.000
Pilling	BS EN ISO 12945-2	4-5
Colour fastness to light	scale 1-8, max. 8 - BS EN ISO 105 - B02	5-7
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5
US ACT	AATCC 16 Light fastness	Pass
	ASTM D3511 Pilling	Pass
	ASTM D4157-07 Wyz abrasion (heavy duty)	Pass
	CA TB 117-2013	Pass
	AATCC 8 or 116 Wet/dry crocking	Pass
Cleaning	₩ 🗷 📵 🕱 Shrinkage: max 1,0%	
	₩X⊠® Shrinkage: max 1,5%	
Flammability	BS 5852 Part 1 0,1 Cigarette & match	
	BS EN 1021 1&2 Cigarette and Match	
	CA TB 117-2013	
	Will also pass other flammability standards. Flame	
	retardant performance is dependent upon the foam	
	used.	
	Contains no flame retardant chemicals.	

Subject to changes and colour diferences

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FABRIC MESH "H"

100% POLYESTER®





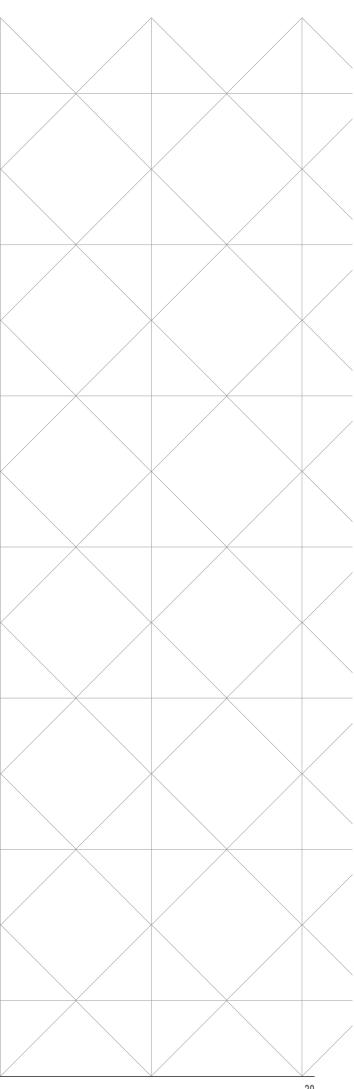
MS 100

H12

TECHNICAL SPECIFICATIONS - FABRIC MESH "H" MESH 100 - EXIT FABRICS

Sectors	Contract Office	
Aplications	Acoustic panels, Screens, Vertical surfaces, Office furniture	
Description	3D fabric of subtle and sober appearance, for pholstery that requires high breathability or good acoustic absorption. Stock available in black with possibility of producing colours with minimum orders.	
Features	Flame retardant Indoor use Acoustic absorption	
Composition	Polyester	100%
Width	gr/m2 ± 5% gr/m1 ± 5%	320 512
Weight	cm (+/- 2%)	160
Long	meters	25
Thickness	mm (+/- 0,3)	2,8
Abrasion resistance	EN ISO 12947-2 Martindale cycles	45.000
Flammability	UE: EN 1021 1/2	
Maintenance	Vacuum regularly. In case of stains, use a damp cloth with suitable for cleaning of upholstery products. We would be delighted to attend to you if you have any darise regarding this or other information.	
Colour matching	Variations can occur from one tint to another (3%)	
Subject to changes and col	our diferences	

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FABRICS GROUP 3



FABRIC MESH "Q"

100% TREVIRA CS

















TECHNICAL SPECIFICATIONS - FABRIC MESH "Q" SPIN - GABRIEL

Material	Trevira CS	100%
Weight	lin. metre aprox. grams	430
Width	cm	140
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale) double rubs wyzenbeek (ASTM D4157-07) (heavy duty upholstery)	90.000
Piling	scale 1-5, max. 5 - EN ISO 12945-2	5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 105 - B02	5-7
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry)	4-5/4-5
Cleaning	Wash or dry cleaning	
	shrinkage máx. 2,5%.	
Flammability	BS EN 1021 182 Cigarette and Match BS 5852 081 BS 5852 Crib 5 CA TB 117-2013 DIN 4102 B1 NF P 92-503 M1 UNI 8456 UNI 9174 Will also pass other flammability standards. Flame retardant performance is dependent upon the for	am used and

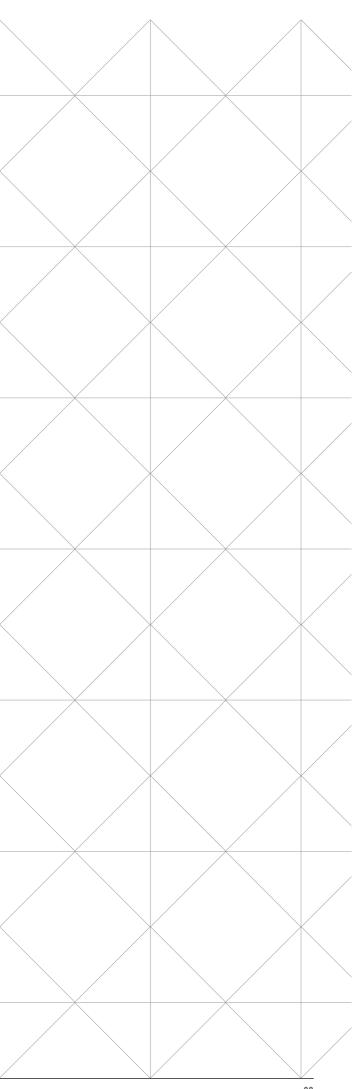
Subject to changes and colour diferences







In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.



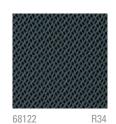


FABRIC MESH "R"

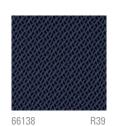
100% POLYESTER® / POLYESTER® FLAME RETARDANT













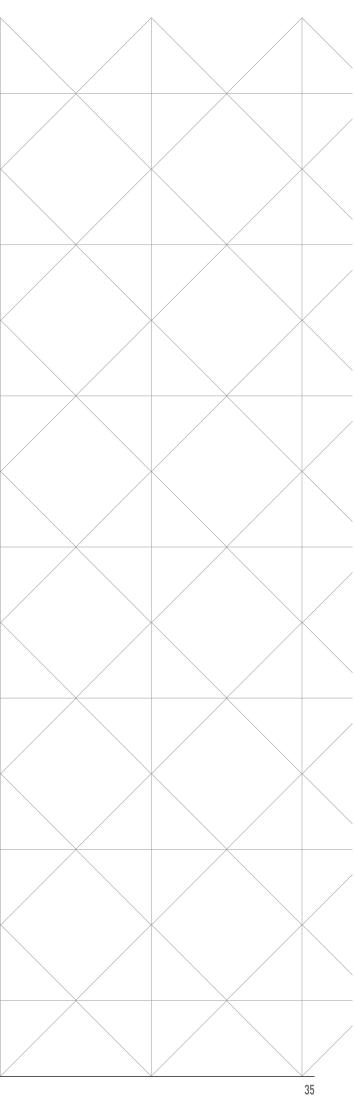


TECHNICAL SPECIFICATIONS - FABRIC MESH "R" RHYTHM - GABRIEL

Material	100% polyester/polyester flame retardant		100%
Weight	lin. metre aprox. grams		525
Width	cm		160
Abrasion resistance	rubs - EN ISO 12947-2 (Martindale) double rubs wyzenbeek (ASTM D4157-07) (heavy duty upholstery)		70.000
Piling	scale 1-5, max. 5 - EN ISO 1294:	 5-2	5
Colour fastness to light	scale 1-8, max. 8 - EN ISO 105 -		5-7
Colour fastness to rubbing	scale 1-5, max. 5 - EN ISO 105X	12 (wet/dry)	4-5/4-5
Cleaning	scale 1-5, max. 5 - EN ISO 105X12 (wet/dry) Wash or dry cleaning P (W) Rhythm is made of polyester which is a material suited for environments with special requirements for cleaning. **Table 1-5, max. 5 - EN ISO 105X12 (wet/dry) 4-5/4-5 Wash or dry cleaning P (W) Rhythm is made of polyester which is a material suited for environments with special requirements for cleaning.		
US ACT	CA TB 117-2013 ASTM D4157-07 Wyz abrasion ASTM D3511 Pilling AATCC 8 o 116 Wet/dry crockir AATCC 16 Light fastness		PASS PASS PASS PASS PASS
Flammability	BS EN 1021 182 Cigarette and Match BS 5852 Part 1 0,1 Cigarette and Match BS 5852 Crib 5 BS7776 Medium hazard DIN 4102 B1 NF P 92-503 M1 Class Uno UNI 8456 UNI 9174 CA TB 117-2013 Will also pass other flammability standards. Contain no flame retardant chemical. Flame retardant performance is dependent upon the foam used and fireproof treatment.		
Certificates	Abrasion resistance Breaking force Colour fastness to light Colour fastness to perspiration Colour fastness to rubbing Pilling Seam slippage Wash stability Environment	- BS EN ISO 12947-2/1446! - ASTM D5034 Breaking for - BS EN ISO 105 B02 Methor - AATCC 15 Perspiration - BS EN ISO 105-X12 - BS EN ISO 12945-2 - ASTM D4034 Varn slippage - BS EN ISO 6330 4M 40 C - Oeko-Tex	orce nod 2 e at a sewn seam



In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.





FABRIC "A"



95% VIRGIN WOOL, 5% POLYAMIDE FIRE RETARDANT



















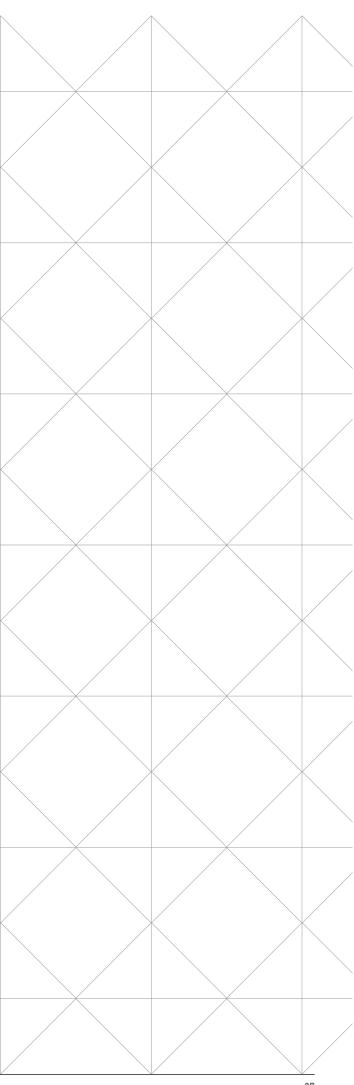


TECHNICAL SPECIFICATIONS GROUP A SYNERGY - CAMIRA

Material	Virgin Wool Polyamide		95% 5%
Weight	lin. metre aprox. gra	ms	560
Width	cm		140
Abrasion resistance	rubs - EN ISO 12947-	2 (Martindale)	≥ 100.000
Colour fastness to light	scale 1-8, max. 8 - EN	I ISO 105 - B02	5
Colour fastness to rubbing	scale 1-5, max. 5 - EN	ISO 105X12 (wet/dry)	4/4
Cleaning	Vacuum regularly. P cloth.	Vacuum regularly. Professionally dry clean or wipe clean with a damp	
Flammability			
Certificates	Environment	- Certified to the EU Ecolab	e
Subject to changes and colour	diferences		



In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.



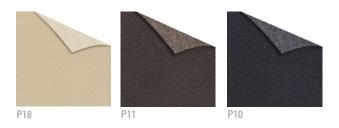
FABRICS GROUP



FABRIC "P"

100% FIRST QUALITY SELECTED LEATHER (COW GRAIN LEATHER)





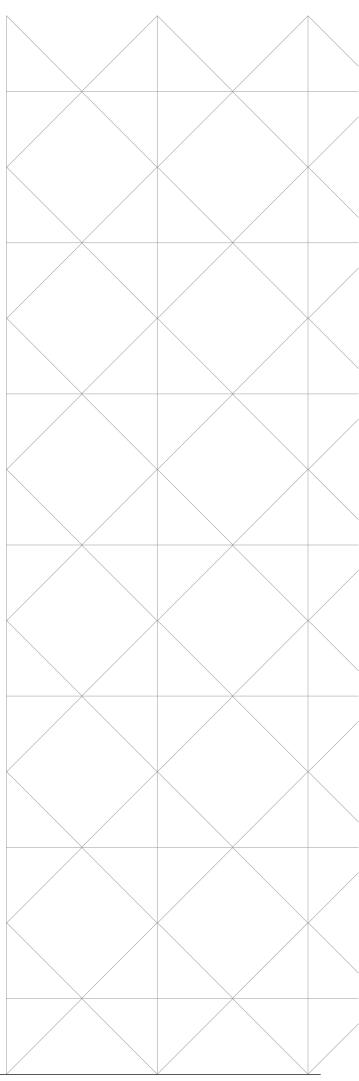
It is strongly recommended to read the technical specifications before choosing the upholstery.

TECHNICAL SPECIFICATIONS FABRIC "P" SAVANA - MARIANO FARRUGIA

Material	First quality selected leather (Cow grain	n leather) 100%
Finish	First quality leather semi-aniline (Chrome tanning)	
Thickness	mm	0,8-1,1
Tear resistance	DIN 53329	> 20 N
Bending resistance	DIN 53351	Min. 100.000
Grip Finish	IUF 470	min. 1,5N/10mm
pH of the aqueous excerpt	DIN 53312	> 3,5 N
Colour fastness to light	DIN 50004	5
Colour fastness to rubbing	DIN 53339 (wet/dry)	250 °C (Wet) / 1000 °C (Dry)
Cleaning	Wipe clean with neutral deterge.	
Flammability	BS 5852:90	

Subject to changes and colour diferences

In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.



OTHER FINISHES

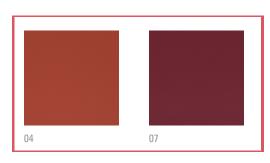
LEATHER FACE

100% RECYCLED LEATHER FIBRES







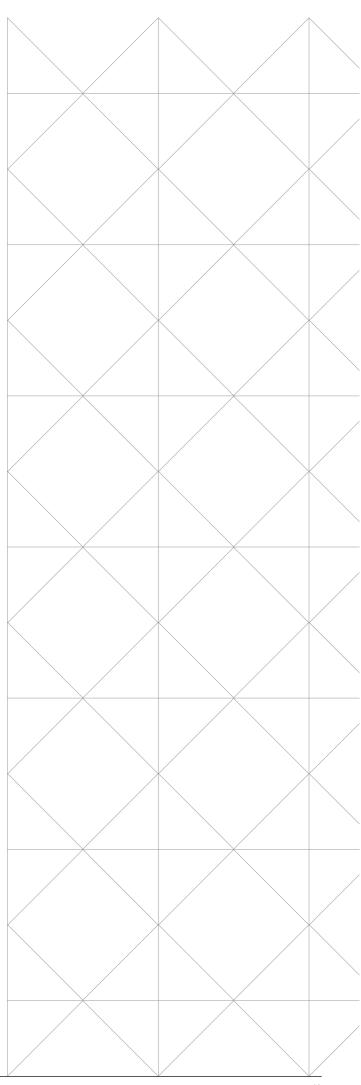


TECHNICAL SPECIFICATIONS LEATHER FIBRES

Material	Recycled Leather Fibres	100%
Finish	Poliurethane Water Solution	100%
Weight lin/metre	grams	140
Width	cm	140-145
Thickness	mm	1,1 - 1,8
Abrasion resistance	rubs - EN ISO 12947-2 (Martin	dale) 45.000
Colour fastness to rubbing	ISO 105X12 (wet/dry)	> 500 cycles (Wet) > 2.000 cycles (Dry)
Tear resistance	ISO-33771	>10n
Finish Adhesion	ISO-11644	>5n
Cleaning	Wipe clean with neutral deterge.	
Flammability	BS EN 1021 - 1:2006 (Cigarette) - BS EN 1021 - 2:2006 (match)	

Subject to changes and colour diferences

In case a white or light colour fabric has been chosen, some clothing items (especially, but not only, dark fabrics and jeans) could transfer their colour to the coated fabrics. This can also be the case in the opposite case, where upholstery can transfer its colour to light-coloured garments. This happens more with dampness and highter temperatures and is irreversible.



Technical Profile FEATURES

BEECH LACQUERED PLYWOOD







14 CHESTNUT



19 WENGUE LAQUE-RED OAK



00 WHITE



07 RED



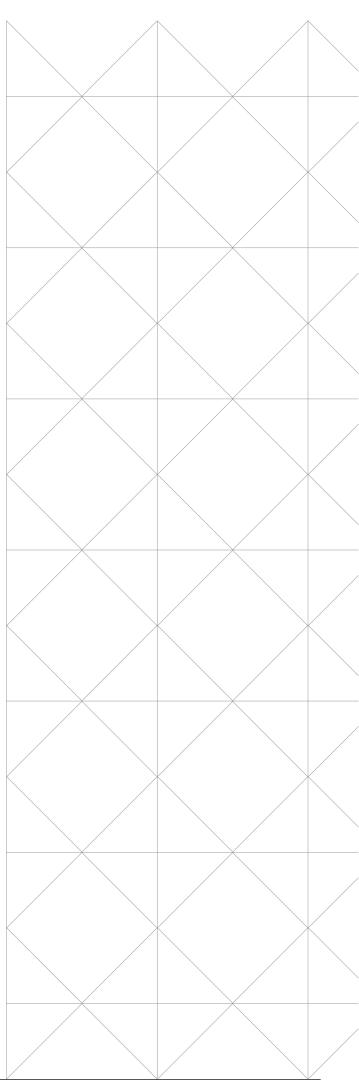




29 WENGUE LAQUERED OAK

LACQUERED PLYWOOD TECHNICAL SPECIFICATIONS

Plywood desktop of 10 mm thickness manufactured with natural beech or oak wood and synthetic resins using high pressure and heat. The alternating arrangement of the fibres formed at right angles (perpendicular and transverse), gives the product great dimensional stability and durability, great resistance and lightness, 100% recyclable.





POLIURETHANE



TECHNICAL SPECIFICATIONS POLIURETHANE

PU (Poliurethane integral) - (TPU)

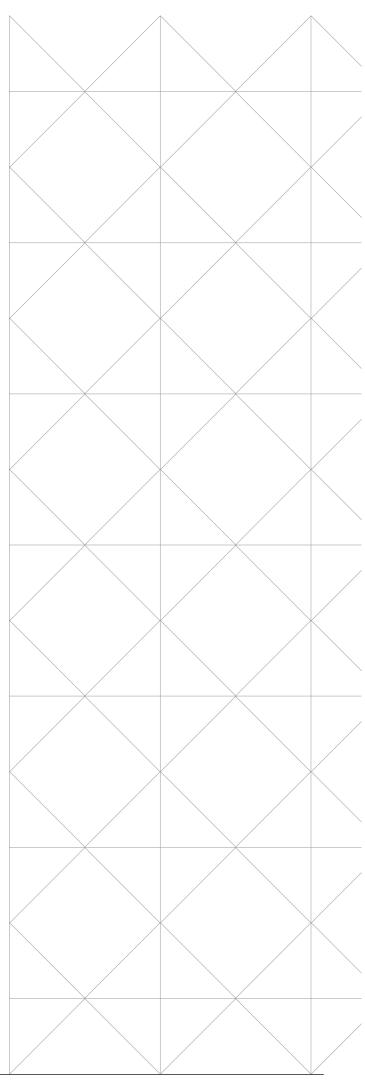
Versatile material with compact surface and soft inner. It is comfortable and solid, pleasant and resistance.

Elastomer to absorb impacts or constant movements.

Long lasting without any maintenance.

Great resistance to over weight as well as capacity to absorb impacts.

Polyurethane is resistant to grease, oil, cracks and tears. All standard pieces fulfill DIN 9835 quality requirements.



AVAILABLE FOR: WHASS, WING AND URBAN **THERMOPLASTIC** AVAILABLE FOR: NOOM AND SPACIO AVAILABLE FOR: **BEE** BLACK 6 U 00 WHITE 21 GREY 10 BLACK 18 GREEN 25 PISTACHIO 24 MUSTARD 2161 U P20 MINK 19 DARK BLUE 13 LIGHT BLUE 16 BRICK RED 17 CORAL RED

THERMOPLASTIC TECHNICAL SPECIFICATIONS

COPOLYMÈRE POLYPROPYLÈNE (PP) + FIBER GLASS:

Additives with antistatic, antioxidant and UV stabilisers.

A high impact elastomer is used in elements which support a moderate effort (backs, seats and armrests)

Excellent behaviour under tension and stretching.

Mechanical resistance. High flexibility. Excellent weather resistance. Reduced crystallisation; unaffected by environmental stress cracking. Good chemical and water resistance properties. It does not affect the environment by its absence of chemicals and adhesives.

ABS:

Thermoplastic derivative from a glassy polymer (styrene-acrylonitrile) and an elastic compound, butadiene.

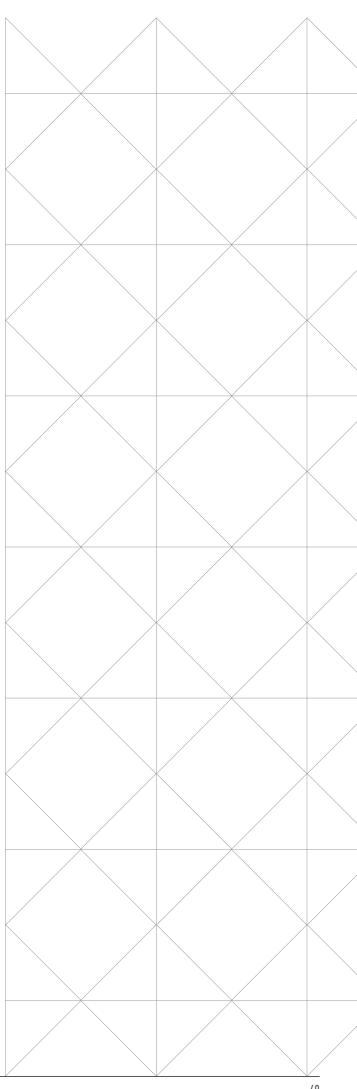
ABS is a plastic stronger than polystyrene and it stands out for resistance to tension and impact. Good mechanical, thermal and chemical resistance. Resistance to fatique.

Strength and robustness. Low temperature ductility. Melting resistance. Brightness. Strength and robustness. Non-toxic and colourless. It can be extruded, molded by injection, blowing and pressing.

POLYAMIDE (PA) + FIBER GLASS:

Additives with antistatic, antioxidant and UV stabilisers. Level 6 (1 to 10).

Composition which supports impacts superior to polypropylene (PP), with a greater robustness and superficial hardness. It is used in components which require high resistance to impact, especially in bases and mechanisms.





ECO THERMOPLASTIC



ECO THERMOPLASTIC TECHNICAL SPECIFICATIONS

POLYPROPYLENE (PP) + FIBER GLASS:

100% RECYCLED product made from recovered materials: manufactured with 100% recycled thermoplastic material (post-consumer mainly from fruit crates) and 100% recycled fiberglass (from industrial scrap) (both recyclable).

The different particles present in the plastic granules resin have different melting points as a result of the characteristics of the recovered raw material, and have an irregular surface finish that recreates the naturalness of a recovered product, providing uniqueness and value to the design.

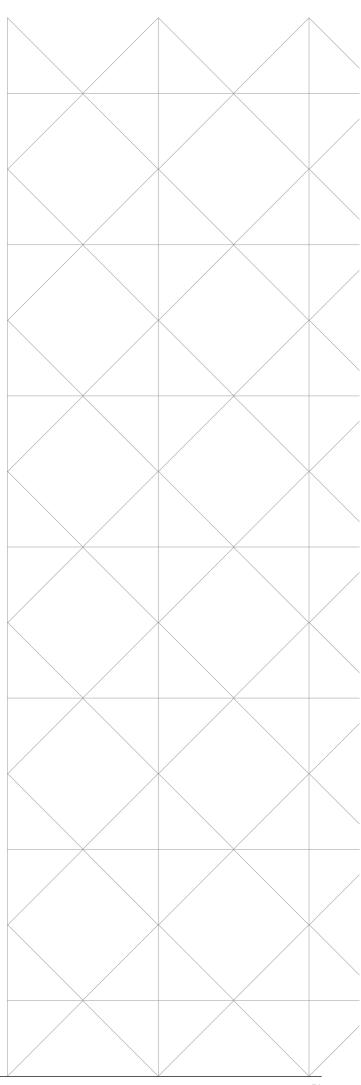
The different particles that occur in the chippings have different melting points as a result of factors inherent to the recovered raw material, and have an irregular surface finish that recreates the naturalness of a recovered product, adding uniqueness and value to the design.

Additives with antistatic, antioxidant and UV stabilisers.

A high impact elastomer is used in elements which support a moderate effort (backs, seats and armrests)

Excellent behaviour under tension and stretching.

Mechanical resistance. High flexibility. Excellent weather resistance. Reduced crystallisation; unaffected by environmental stress cracking. Good chemical and water resistance properties. It does not affect the environment by its absence of chemicals and adhesives.



Technical Profile FEATURES

METAL



TECHNICAL SPECIFICATIONS METAL

All metal components, aluminum or steel, have epoxy-polyester finish. No toxic or solvent elements. Chromed finished is done over treated steel.

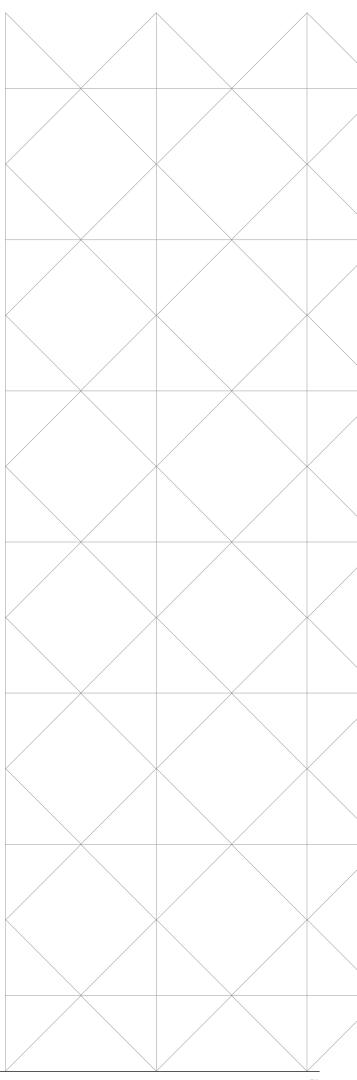
PAINTING FEATURES

- 1 Electrostatic coat, epoxy bonding 2nd generation. Polymerized 200°C with nano-ceramics and non-grease treatments to improve better covering and provide then better resistance and lasting.
- $2- Coating \ 80-90 \ micron \ thickness \ (it could be \ different \ as per \ the \ project \ requirements).$ This covering guarantees the finish and maintenance of metal structures.
- 3 Painting process:

Painting plant has minimum environmental impact against the traditional industry processes.

Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 2% is used to produce other paints. Paints used are COVs free (Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump.

4 - Antibacterial finish (Optional)



WOOD

Care and protection of wood.

Scratches: Use a protector that protects surfaces against marks, scratches and

Lift objects up whenever possible. The majority of scratches are made by dragging objects across the wood.

Plastic and Rubber: Some plastics contain components that contain soft material.

When you put some wooden objects on this which contain some components which may damage the finish, resulting in shades or prints.

To avoid this, use flet or leather mats on the table. Do not use mats covered in plastic.

Avoid leaving plastic folders or files on the table preventing the wood "breathing".

Light effects: As with leather, wood changes over time.

Light - affects wood which causes a change in colour.

Each species of wood changes. Some adopt a warm tone while others become darker or lighter.

Move objects and accessories frequently so as to avoid shadows on the wooden surface.

Reflection: Trees contain a "vascular" system of fibres which carry the sap to every corner.

These fibres cause the wood to reflect light in different ways, depending on how it is made up.

For example, a table and extension, having different fibres will look like different shades.

But if you walk around, you will notice how the light changes on work surfaces and the effects of brightness and velvet on the wood.

Avoid temperatures and extreme humidity.

Clean with any Commercial products suitable for cleaning and maintenance for treated wood surfaces, wax basis, aliphatic hydrocarbon or seed oil surfactant.

Always wipe the surface in the direction of the grain.

Remove stains. Do not use products with silicon.

FABRICS

Each material has a specific feature, albeit technical or aesthetic.

If the stain has dried, try to remove the excess by hand or by using a brush.

Place a cleaner on the stain and continue with a PH neutral cleaner with a neutral cleaning agent such as soapy water. It is important to rinse with clean water.

Types of stains:

Oil: Treat with a solvent or treat with a colour fixing agent.

Alcohol: Fresh stains: Treat with a household vinegar and rinse immediately. Dried Stains: Treat with a whitening oxidizing agent.

Pen: Treat with a colour fixing agent.

Coffee: Fresh stains: Treat with household vinegar, and rinse immediately. Dried Stains: Treat with a whitening oxidizing agent.

Wax for furniture: Treat with a colour fixing agent.

Chewing gum: Treat with a solvent.

Chocolate: Fresh stains: Treat with soap or liquid soap for hands, rinse immediately or treat with solvent.

Cream: Fresh stains: Treat with soap or liquid soap for hands, rinse immediately.

Grease: Treat with a colour fixing agent.

Lip stick: Treat with a colour fixing agent or treat with a colour fixing agent.

Milk: Fresh stains: Treat with soap or liquid soap for hands, rinse immediately.

Butter: Treat with a colour fixing agent. Fresh stains: Treat with soap or liquid soap for hands, rinse immediately.

Urine: Fresh stains: Treat with soap or liquid soap for hands, rinse immediately. **Blood:** Fresh stains: Treat with soap or liquid soap for hands, rinse immediately.

Tea: Fresh stains: Treat with household vinegar, and rinse immediately. Dried Stains: Treat with a whitening oxidizing agent.

Ink: Treat with a colour fixing agent.

Wine: Fresh stains: Treat with household vinegar, and rinse immediately. Dried Stains: Treat with a whitening oxidizing agent.

Fruit juice: Treat the stain with a whitening oxidizing agent or treat with a colour fixing agent.



LEATHER

Leather is a natural material, probably the toughest upholstery and requires specific care.

Wipe gently. Use a cream once or twice a year. Do not use shoe polish.

Types of stains.

Water: Soak and leave to dry before brushing.

Pen: Alcohol 90%

Coffee: Mix water with a little ammonia.

Grease: Apply a grease solvent spray. Leave to dry. Brush. **Wax stains:** Apply a grease solvent spray. Leave to dry. Brush.

Other stains: Consult with a specialist.

Pen: Warm skimmed milk and lemon juice.

Water based felt-tips: Water and if neccessary a little bit of lemon.

Permanent Ink: Cannot be removed

It is recommended that you clean the upholstery every two weeks, to prevent an accumulation of dirt (for example skin particles that can be inserted into the fabric.)

Visitors chairs need less cleaning than work chairs which are used daily.

It is essential to use a soft fibre brush on a vacuum to prevent damage to the fabric surface.

The dried in dirt on the surface will disappear after a thorough cleaning.

As for wet marks and stains that will not disappear after cleaning with a vacuum, we suggest the following solutions:

Mix water with a PH neutral cleaner. The temperature of the water must be between 25 and 35 degrees. A running liquid may also be used but don't overdose.

Clean the stains several times, using a soft fabric until they are no longer perceptible. It is essential not to use too much water and avoid soaking the foam, which could damage the chair.

After 3 washes, rinse with water.

Press with a dry fabric against the other fabric to remove the moisture as much as possible.

If the result is not completely satisfactory, repeat the process.