

# SUSTAINABLE DEVELOPMENT MATERIAL SAFETY AND COMPONENT SPECIFICATION





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<sup>\*</sup> Product visuals are provided for illustrative reference only.

Differences are possible depending on the product versions available in the respective market.

\*\* Colours shown may differ from actual product colours.

# I GENERAL STANDARDS

## SUSTAINABLE DEVELOPMENT

We care about the environment. It is the main driver of our decisions. The company works according to the ISO 14001 Environmental Management System.

We have decided to package and ship hushFree cabins in lightweight cartons that can be easily recycled. We also work with conscious component suppliers.

The Mikomax Office Furniture Factory sp. z o.o. informs that the wood and wood-like components used in the products come from sustainably managed forests and other non-controversial sources. This information may encourage buyers and potential buyers to select products based on environmental criteria.

The overall objective of the organisation is, through the non-misleading provision of accurate and verifiable information, to stimulate demand and supply for products coming from responsibly managed forests, thereby stimulating the potential for continuous market-based improvement of the world's forest resources.

MATERIALS USED	SUPPLIER'S ENVIRONMENTAL POLICY, ENVIRONMENTAL STANDARDS CERTIFICATES DECLARED BY SUPPLIER.
Steel	ISO 14001
Aluminium	ISO 14001
Edging	ISO 14001
ABS plastic film	ISO 14001
Foam	ISO 14001
Multimedia port	ISO 14001



### **MATERIAL SAFETY**

Mikomax has implemented an Integrated Management System based on the ISO 9001 standard principles and an Environmental Management System based on ISO 14001. Hushoffice products are CE marked, meeting the requirements of the so-called "New Approach" directives of the European Union.

Hushoffice acoustic booths are manufactured in a certified production plant in central Poland, using only premium class products – tested, certified and labelled for compliance with the TSCA Title VI and CARB Phase II formaldehyde emission standards.

Hushoffice acoustic booths use safety glass. The door glass is both tempered and laminated. The other glass panels are laminated. The booth bodies are made of cellular, melamine-coated board. They are easy to clean and disinfect and have antibacterial properties according to the ISO 22196 standard.









Certificates declared by suppliers

PAINTS AND VARNISHES					
Performance requirements EU directive 2004/42/CE ("Paints Directive")					
WOOD PANELS (INCLUDING CHIPBOARDS, FIBREBOARD AND MDF BOARDS, OSB BOARDS, CEMENT-BONDED PARTICLEBOARDS, PLYWOOD, SOLID WOOD PANELS AND ACOUSTIC PANELS)					
Performance requirements	Formaldehyde emission – hygiene class E1	$\checkmark$			
Compliance with performance standards	BS EN 13986:2004 Wood-like panels for use in construction - Characteristics, evaluation of conformity and meanings	$\checkmark$			
Conformity with test standards	BS EN 717-1:2004  Wood-like panels – Determination of formaldehyde emission, Part 1: Formaldehyde emission by chamber method	<b>√</b>			

# **FIRE SAFETY**

We use flame-retardant materials in Hushoffice booths. These are selected textiles, including upholstery fillings, exterior panels and carpeting. Upholstery materials used in hushFree products are compliant with fire resistance standards BS EN 1021-1, BS EN 1021 1&2, CA TB 117-2013. Carpet coverings are certified to ASTM D2859 – 16 (2021), EN 1307: 2014 and EN 14041: 2008-05 standards.

The hushFree acoustic booths have factory-fitted locations prepared for the extinguishing sprinklers and DSO components installation.

# II COMPONENT PERFORMANCE

# **UPHOLSTERY ATHLON AND ATHLON PLUS Gabriel®**



FABRIC COMPOSITION	Panels: 56% POL, 44% TCS Sofas: 100% POL
ABRASION RESISTANCE ACCORDING TO MARTINDALE CYCLES EN ISO 12947-2	100 000
PILLING RESISTANCE EN ISO 12945-2	5
COLOUR FASTNESS EN ISO 105-B02	5

















Colour shades may vary slightly depending on the dve.

# CASE

The Eurolight lightweight board, which forms the booth case, consists of thin layers of high quality 0.16 in or 0.32 in thick chipboard, complying with EN 312, type P2 standard. It has a raw, sanded surface or a high-quality Eurodekor coating, in accordance with the EN 14322 standard requirements.

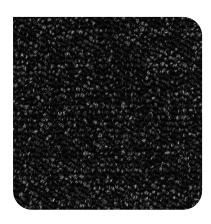
The bonding of hexagonal honeycomb layered structures is carried out with a formaldehyde-polyurethane free – high quality bonding system. The hexagonal honeycombs are made of 100% recycled paper.

EUROLIGHT® WITH 8 MM SURFACE LAYER PROPERTIES	UNIT	BOARD THICKNESS
		1.50 in
DENSITY	[lb/ft³]	20.6
Internal bond EN 319  · Surface layer to honeycomb  · Surface layer to frame of 10 and 38 mm  · Surface layer to frame of 65 mm	[N/cm²]	≥ 10 ≥ 80 ≥ 30
Screw extraction resistance EN320 Full board with 8 mm surface layer	[N]	> 570
<b>Deflection DIN 6887 4-1</b> After 28 days – Test load 150 kg/m² Distance from axis 1000 mm Without Frame or edge	[mm]	≤ 4.0
Soundproofing coefficient R'w	[dB]	28
Compression strength	[kg/cm <sup>2</sup> ]	@ 1.5
Fire behaviour category EN 13501-1		D-s1, d0
Formaldehyde content EN120	[mg/100g]	E1





# **CARPET**



MAIN FEATURES	PERFORMANCE PROPERTIES	LIST OF TECHNICAL SPECIFICATIONS
Response to fire	C <sub>II</sub> -s1	EN 14041:2008-05
Pentachlorophenol content	DL PCP	EN 14041:2008-05
Formaldehyde emissions	NA HCHO	EN 14041:2008-05
Slippage resistance	25a	EN 14041:2008-05
Electrical (dissipative) properties	NPD	EN 14041:2008-05
Electrical (conductive) properties	NPD	EN 14041:2008-05
Electrical (antistatic) properties	F	EN 14041:2008-05
Thermal conductivity	0.071	EN 14041:2008-05
Water resistance	NPD	EN 14041:2008-05

# **ACOUSTIC GLASS**

 $\textbf{Glass configuration:} \ 0.39 \ \text{in} \ (5.5.2) \ \text{lami glass (PVB)}.$ 

Glass weight: 0.04 lb/in<sup>2</sup>. Unit thickness: 0.39 in.

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# SOUND REDUCTION INDICES - dB

FREQUENCY – HERTZ				RW	С	CTR	ОІТС	STC	
125 hz	250 hz	500 hz	1000 hz	2000 hz	34 dB	-1 dB	-2 dB	32 dB	35 dB
29 dB	29 dB	33 dB	35 dB	37 dB	34 UD	-1 UD	-2 UD	32 UB	35 dB

# HUS-AP-007 hushfree.XS

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-007	643	1	17.46 MJ/kg	62.868

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	-	-	30%	-
Board – honeycomb structure	111.9	38.35%	50%	55.985817
MDF	14.1	4.86%	-	-
Plywood	8.3	2.85%	-	-
Steel	86.0	29.48%	-	-
Aluminium	56.2	19.28%	-	-
Glass	219.7	75.25%	-	-
Foam	64.2	21.99%	-	-
ABS Plastic	1.5	0.54%	-	-
Electrical components	19.8	6.80%	-	-
Others	61.5	21.07%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board with junctions. Its side walls and top panel are made of a 1.50 in thick, three-layer board, melamine-coated on both sides and finished with 0.07 ABS plastic tape edging. The electrical panel is fitted with a power socket or an USB port. The case rear glass is 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed from tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

### UPHOLSTERED ELEMENTS

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermo-forming technology.

### **TABLE TOP**

Measuring  $29.52 \times 13.54$  in, with a fixed height of 41.30 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides













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 $<sup>^{\</sup>star}$  0.19 in tempered glass – 0.07 in coats of acoustic film – 0.19 in tempered glass.

# HUS-AP-001 hushfree.S

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-001	752	1	17.46 MJ/kg	65.951

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	59.4	7.9%	30%	17.8175772
Board – honeycomb structure	129.1	17.2%	50%	64.6
MDF	17.2	2.3%	-	-
Plywood	9.7	1.3%	-	-
Steel	102.5	13.6%	-	-
Aluminium	58.5	7.8%	-	-
Glass	225.3	30.0%	-	-
Foam	70.2	9.3%	-	-
ABS Plastic	1.3	0.2%	-	-
Electrical components	5.5	0.7%	-	-
Others	72.8	9.7%	-	-



### BOOTH CASE

The booth case construction is based on a metal frame and a honeycomb structure board with junctions. Its side walls and top panel are made of a 1.50 in thick, three-layer board, melamine-coated on both sides and finished with 0.07 ABS plastic tape edging. The electrical panel is fitted with a RJ45 port and a power socket or an USB port. The case rear glass is 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed from tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

 $^{\star}$  0.19 in tempered glass – 0.07 in coats of acoustic film – 0.19 in tempered glass.

### UPHOLSTERED ELEMENTS

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

### **TABLE TOP**

Table top measuring  $30.39 \times 15.94$  in, with height adjustment from 25.59 to 46.85 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides.













# HUS-AP-011 **hush**free.S.hybrid

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-011	795	1	17.46 MJ/kg	68.235

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	105.0	12.77%	30%	31.5081432
Board – honeycomb structure	129.0	15.70%	50%	4
MDF	-	-	-	-
Plywood	15.4	1.88%	-	-
Steel	119.1	14.49%	-	-
Aluminium	53.9	6.56%	-	-
Glass	225.2	27.39%	-	-
Foam	77.2	9.40%	-	-
ABS Plastic	14.1	1.72%	-	-
Electrical components	30.8	3.75%	-	-
Others	52.0	6.33%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board with junctions. Its side walls and top panel are made of a 1.50 in thick, three-layer board, melamine-coated on both sides and finished with 0.07 ABS plastic tape edging. The electrical panel is fitted with a RJ45 port and a power socket or an USB port. The case rear glass is 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed from tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

\* 0.19 in tempered glass – 0.07 in coats of acoustic film – 0.19 in tempered glass.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology. Inner structure of sofas made of wood-based materials, sprung layer – 100% PU foam, fluffy fleece 100% Polyester. Outer layer – upholstery fabric Athlon.

### **TABLE TOP**

Measuring  $30.39 \times 15.94$  in with a fixed height of 28.85 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides.















# HUS-AP-002 hushfree.M

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-002	1291	1	17,46 MJ/kg	39,939

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	-	-	30%	-
Board – honeycomb structure	212.6	16.6%	50%	106.3
MDF	53.4	4.2%	-	-
Steel	136.7	10.7%	-	-
Aluminium	106.5	8.3%	-	-
Glass	466.5	36.4%	-	-
Foam	164.1	12.8%	-	-
ABS Plastic	2.8	0.2%	-	-
Electrical components	10.0	0.8%	-	-
Others	130.5	10.2%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board. Its side walls and top are made of 1.50 in thick, three-layer board, melamine-coated on both sides. The central panel is made of extruded aluminium. All finished in Cosmos Gray colour.

The central panel houses the power supply module and RJ45 port, which can also be fitted with a power socket and a USB port. Optional:  $\varnothing$  1.96 in cable canal, allowing TV cables to be routed inside the panel. The glass panels of the booth case (front and rear) are 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed of tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

 $^{\star}$  0.19 in tempered glass – 0.07 in layers of acoustic film – 0.19 in tempered glass.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

Inner structure of sofas made of wood-based materials, sprung layer – 100% PU foam, fluffy fleece 100%Polyester. Outer layer – upholstery fabric Athlon.

### **TABLE** (optional)

Measuring W/D/H 30.19 x 32.95 x 28.93 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides. Support leg made of 1.18 x 1.96 in steel profile, powder-coated in cosmos grey colour.















# HUS-AP-003 hushfree.L

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-003	2092	1	17.46 MJ/kg	31.746

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED (%)	RECYCLED (lb)
Particleboard	-	-	30%	-
Board – honeycomb structure	424.4	20.9%	50%	212.2
MDF	106.7	5.3%	-	-
Plywood	3.0	0.1%	-	-
Steel	275.6	13.6%	-	-
Aluminium	147.0	7.3%	-	-
Glass	466.5	23.0%	-	-
Foam	328.0	16.2%	-	-
ABS Plastic	5.5	0.3%	-	-
Electrical components	14.3	0.7%	-	-
Others	257.9	12.7%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board. Its side walls and top are made of 1.50 in thick, three-layer board, melamine-coated on both sides. The central panel is made of extruded aluminium. All finished in Cosmos Gray colour.

The central panel houses the power supply module and RJ45 port, which can also be fitted with a power socket and a USB port. Optional: Ø 1.96 in cable canal, allowing TV cables to be routed inside the panel. The glass panels of the booth case (front and rear) are 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed of tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

Inner structure of sofas made of wood-based materials, sprung layer – 100% PU foam, fluffy fleece 100% Polyester. Outer layer – upholstery fabric Athlon.

### **TABLE** (optional)

Measuring W/D/H 51.18 x 43.22 x 28.93 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides. Support leg made of 1.18 x 1.96 in steel profile, powder-coated in cosmos grey colour.













 $<sup>^{\</sup>star}$  0.19 in tempered glass – 0.07 in layers of acoustic film – 0.19 in tempered glass.

# HUS-AP-004 hushfree.Access.M

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-004	1167	1	17.46 MJ/kg	35.336

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	-	-	30%	-
Board – honeycomb structure	216.1	18.5%	50%	108.0
Plywood	3.0	0.3%	-	-
Steel	133.4	11.4%	-	-
Aluminium	103.6	8.9%	-	-
Glass	474.0	40.6%	-	-
Foam	110.2	9.4%	-	-
ABS Plastic	26.5	2.3%	-	-
Electrical components	32.0	2.7%	-	-
Others	68.3	5.9%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board. Its side walls and top are made of 1.50 in thick, three-layer board, melamine-coated on both sides. The central panel is made of extruded aluminium. All finished in Cosmos Gray colour.

The central panel houses the power supply module and RJ45 port, which can also be fitted with a power socket and a USB port. Optional:  $\varnothing$  1.96 in cable canal, allowing TV cables to be routed inside the panel. The glass panels of the booth case (front and rear) are 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed of tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

 $^{\star}$  0.19 in tempered glass – 0.07 in layers of acoustic film – 0.19 in tempered glass.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

Inner structure of sofas made of wood-based materials, sprung layer – 100% PU foam, fluffy fleece 100%Polyester. Outer layer – upholstery fabric Athlon.

### **TABLE** (optional)

Measuring W/D/H 30.19 x 32.95 x 28.93 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides. Support leg made of 1.18 x 1.96 in steel profile, powder-coated in cosmos grey colour.













# HUS-AP-005 hushfree.Access.L

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-005	1763	1	17.46 MJ/kg	26.694

### RECYCLED CONTENT

MATERIAL	lb	MASS BY MATERIAL (lb)	RECYCLED CONTENT IDENTIFIED (%)	RECYCLED (lb)
Particleboard	-	-	30%	-
Board – honeycomb structure	423.3	24.0%	50%	211.6
Plywood	3.0	0.2%	-	-
Steel	275.6	15.6%	-	-
Aluminium	149.9	8.5%	-	-
Glass	474.0	26.9%	-	-
Foam	191.1	10.8%	-	-
ABS Plastic	5.5	0.3%	-	-
Electrical components	32.0	1.8%	-	-
Others	209.4	11.9%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board. Its side walls and top are made of 1.50 in thick, three-layer board, melamine-coated on both sides. The central panel is made of extruded aluminium. All finished in Cosmos Gray colour.

The central panel houses the power supply module and RJ45 port, which can also be fitted with a power socket and a USB port. Optional:  $\varnothing$  1.96 in cable canal, allowing TV cables to be routed inside the panel. The glass panels of the booth case (front and rear) are 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed of tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

### **TABLE** (optional)

Measuring W/D/H 51.18 x 43.22 x 28.93 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides. Support leg made of 1.18 x 1.96 in steel profile, powder-coated in cosmos grey colour.













 $<sup>^{\</sup>star}$  0.19 in tempered glass – 0.07 in layers of acoustic film – 0.19 in tempered glass.

# HUS-AP-006 hushfree.XM

MODEL REF.	NET WEIGHT (lb)	PRODUCT QUANTITY	CALORIFIC VALUE	LOAD [lb/ft^2]
HUS-AP-006	1104.5	1	17.46 MJ/kg	53.080

### RECYCLED CONTENT

MATERIAL	LB	MASS BY MATERIAL	RECYCLED CONTENT IDENTIFIED	RECYCLED (lb)
Particleboard	-	-	30%	-
Board - honeycomb structure	136,69	12,04%	50%	68,34
MDF	33,07	2,91%	-	-
Steel	174,17	15,34%	-	-
Aluminium	83,33	7,34%	-	-
Glass	466,50	41,09%	-	-
Foam	99,21	8,74%	-	-
ABS Plastic	11,02	0,97%	-	-
Electrical components	24,25	2,14%	-	-
Others	107,14	9,44%	-	-



### **BOOTH CASE**

The booth case construction is based on a metal frame and a honeycomb structure board. Its side walls and top are made of 1.50 in thick, three-layer board, melamine-coated on both sides. The central panel is made of extruded aluminium. All finished in Cosmos Gray colour.

The central panel houses the power supply module and RJ45 port, which can also be fitted with a power socket and a USB port. Optional: Ø 1.96 in cable canal, allowing TV cables to be routed inside the panel. The glass panels of the booth case (front and rear) are 0.39 in thick and made in a bonding technology (5.5.2\*). The booth door is constructed of tempered and bonded glass 5.5.2\*. It is fitted with a handle. All glass elements are housed in aluminium profiles, equipped with an acoustic seal.

 $^{\star}$  0.19 in tempered glass – 0.07 in layers of acoustic film – 0.19 in tempered glass.

### **UPHOLSTERED ELEMENTS**

The panels were made from a petfelt composite, non-woven fabric and Athlon Plus fabric using thermoforming technology.

Inner structure of sofas made of wood-based materials, sprung layer – 100% PU foam, fluffy fleece 100%Polyester. Outer layer – upholstery fabric Athlon.

### **TABLE** (optional)

Measuring W/D/H 30.27 x 20.07 x 28.97 in. Made of 0.70 in thick plywood covered with HPL laminate on both sides. Support leg made of 1.18 x 1.96 in steel profile, powder-coated in cosmos grey colour.













# hushfree

