

Hako

technical specification



.mdd

.mdd has a leading position among manufacturers of office furniture with many awards that prove quality and continuously increase demand for it's products.

The realities of today`s market require constant quality improvement at all levels of modern organization. This applies in particular to customer service, marketing, quality of products and also to quality of processes within the company. Partnership relations among employees and with business partners form a base of economic growth and success of the company.

Constant investments in innovative machinery park, optimization of managment systems and an expansion of production halls allow to minimize the lead times for the product of the highest quality.

More than twenty years of experience in office furniture industry come with reference from a long list of companies and institutions to show their appreciation for an efficient and comprehensive service.

.mdd is hgly aware of the environment.

Being located in the forest region with lake by itis side, .mdd takes the nature seriously and invests constantly in a modern and energy-efficient solutions to preserve the local life. Company puts emphasis on waste segregation and recycling. .mdd has been awarded for the exceptional care and involvement in waste disposal. All materials used are environmentally friendly and enjoy a high 95 % rate of being recycled.



General informations:

Warranty:

.mdd products - **5 years**.
Electrical components and
fabric - **2 years**.

Certificate - MFC:



Certificate - fabric:



Assembly:

product delivered in separate
elements

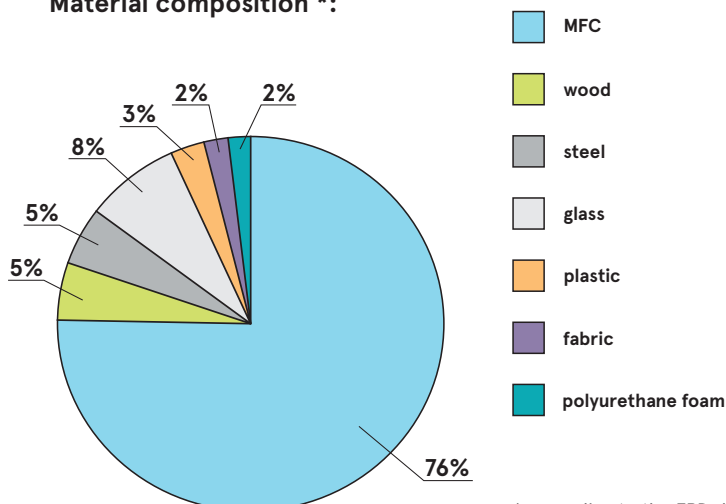
Packing:

wooden crates; separate elements situated
on wooden racks; panels protected by a foil

Boards density:

12 mm - 690 - 750 kg/m³
18 mm - 650 - 690 kg/m³
28 mm - 610 - 630 kg/m³
36 mm - 610 - 630 kg/m³

Material composition *:



* according to the EPD document

Recyclability **

Recycling: 12% - Downcycling: 88%

Recycled content

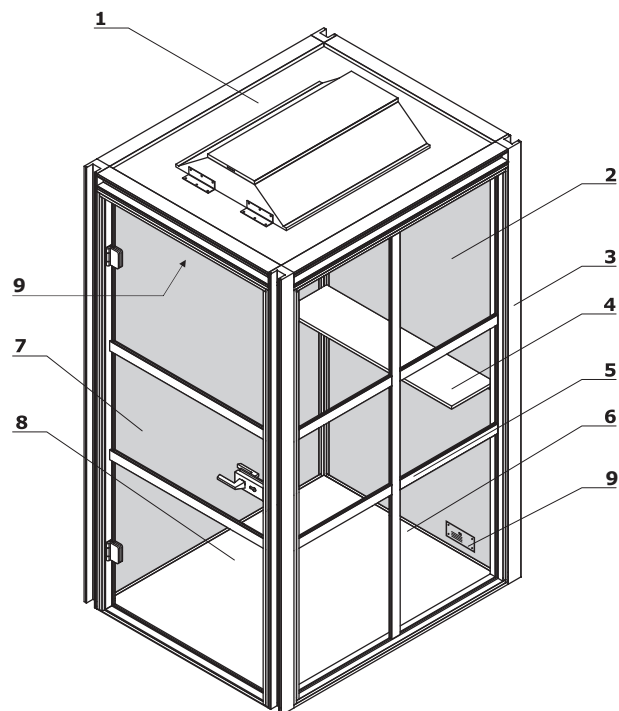
9%

Co2 carbon footprint

155,2 kg

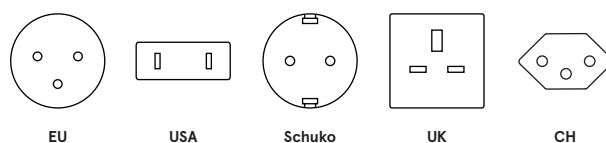
** average values for a representative of the group;
values may vary for other products

Office booth Hako



1. **Ceiling** - upholstered, equipped with lighting and exhaust fans
2. **Upholstered wall** - full, 75 mm thick, upholstered on both sides; acoustic filling with sound isolation properties
3. **Columns** - 75x75 mm, powder coated
4. **Shelf** - 12 mm MDF, colour: black, can be mounted only to upholstered walls with 1000 mm width
5. **Aluminium strips** - 5 mm thick
6. **Glass wall** - toughened glass, 6 mm thick
7. **Glass door** - toughened glass, 8 mm thick, equipped with hinges, handle with a lock and gaskets system improving the acoustic properties of the booth
8. **Floor** - option with additional fee - melamine plate + acoustic covering (21mm thickness), colour: graphite
9. **Fans:**
 - * **in-take** (near the floor) - can be turned on and off, with adjustable fan speed. The exact location can be found on the shop drawings.
 - * **exhaust** - integrated with the ceiling lamp

Electric systems available:



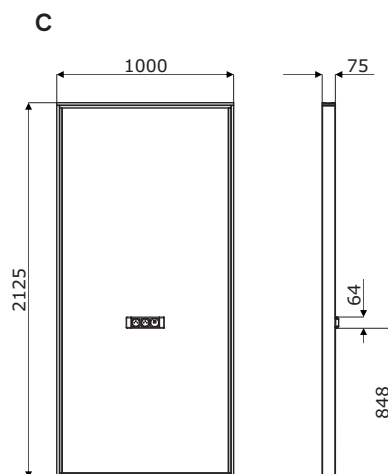
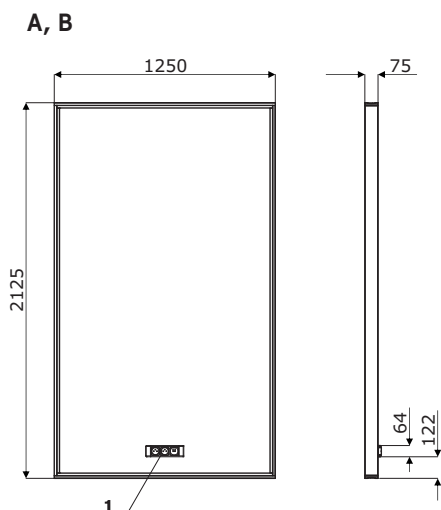
Additional information:

- multi-layer walls structure ensure ideal acoustic isolation; the remarkable acoustic parameters have been confirmed through a research done by an accredited laboratory in accordance with ISO 23351-1:2020 acquiring a certificate with the Ds,A result of 25,7 dB
- air function - fans work for additional 5 minutes after leaving the booth
- maximum air-flow:
 - *260 m³/h (for spaces adequate to HK01, HK021)
 - *520 m³/h (for spaces adequate to HK03)
- volume 27,5 dB (A)
- LED SLIM panel, 60x60 cm, external power supply; 40W, 3200lm, 4000k, 220-240V AC, 120', RA>80, PF>0.9, white, STANDARD LINE

Attention! In standard the booth has no floor.

Mediabox - dimensions (mm)




1. **Mediabox - 2x230V + 1xUSB + 1xUSB type C**
 - A - on the left wall near the floor
 - B - on the right wall near the floor
 - C - on the shorter wall above 740mm height





Hako	Date of preparation 31.01.2023	The data contained in this document is valid in the day of its preparation. Change of the product, as long as it does not affect the basic features of it, does not require consistent updates of the document.	page 3/14 technical specification
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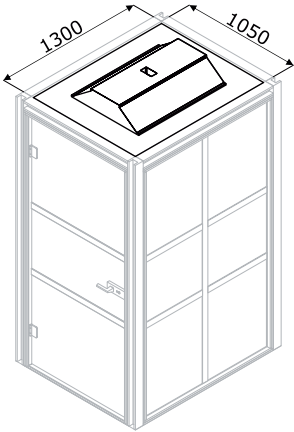
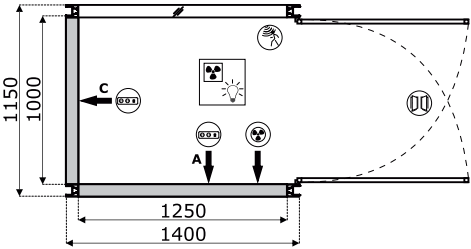
Hako

Legend:

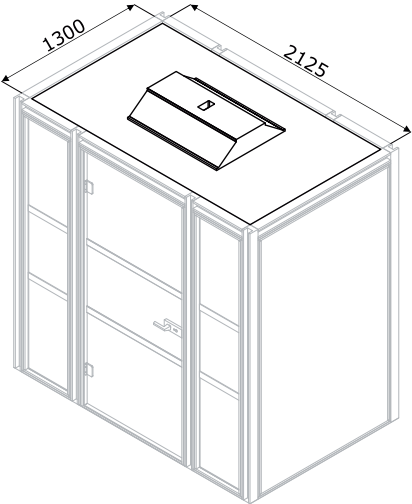
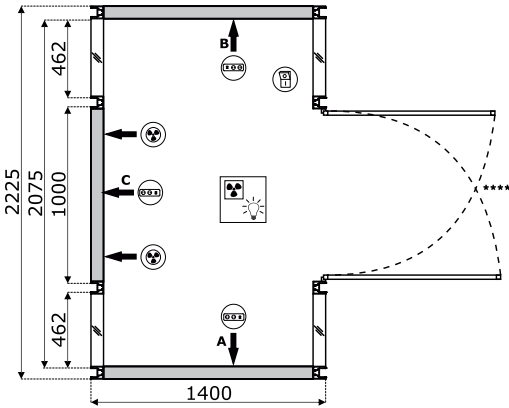
-  motion sensor (activates the exhaust fans and lighting)
-  wireless light switch – which can be situated in any place
-  left / right door option

-  in-take fans (near the floor) can be turned on and off, with adjustable fan speed – Attention! It is suggested not to block fans to ensure the proper airflow rate
-  exhaust fans are integrated with the ceiling lamp

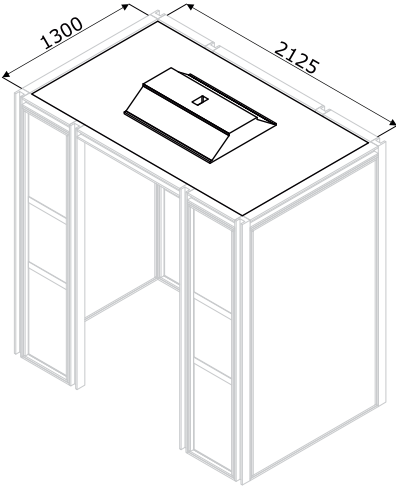
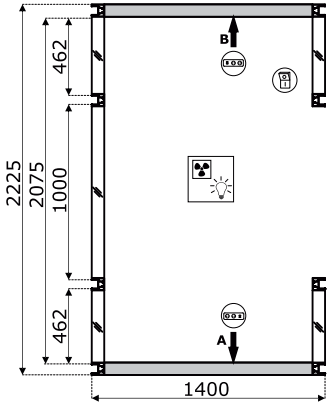
HK01



HK021







HK04



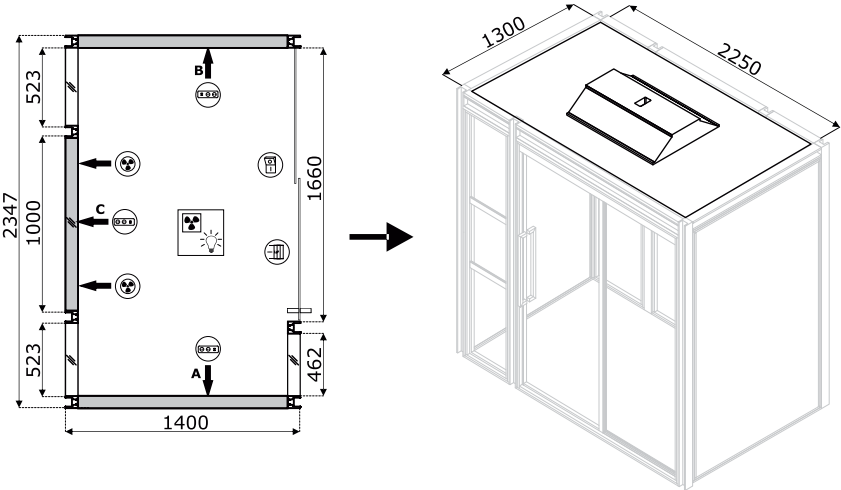
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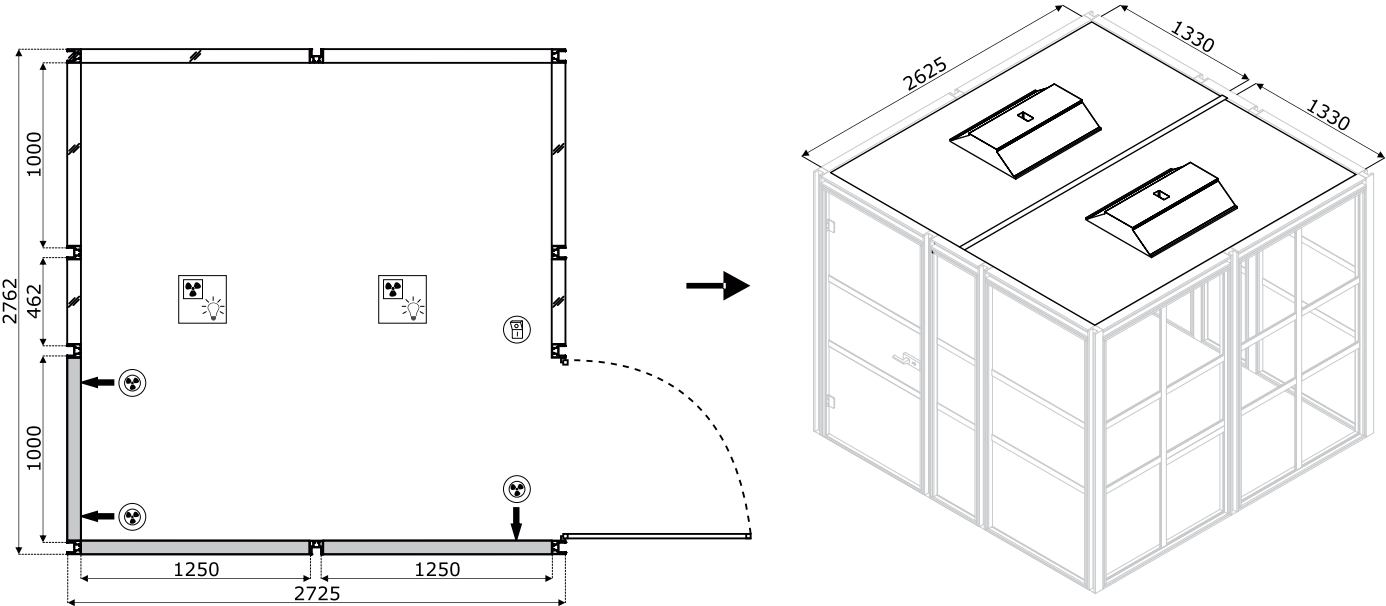
-  wireless light switch – which can be situated in any place
-  sliding door

-  in-take fans (near the floor) can be turned on and off, with adjustable fan speed - Attention! It is suggested not to block fans to ensure the proper airflow rate
-  exhaust fans are integrated with the ceiling lamp

HK08 *





HK03





* frosted stripes on front walls of sliding door

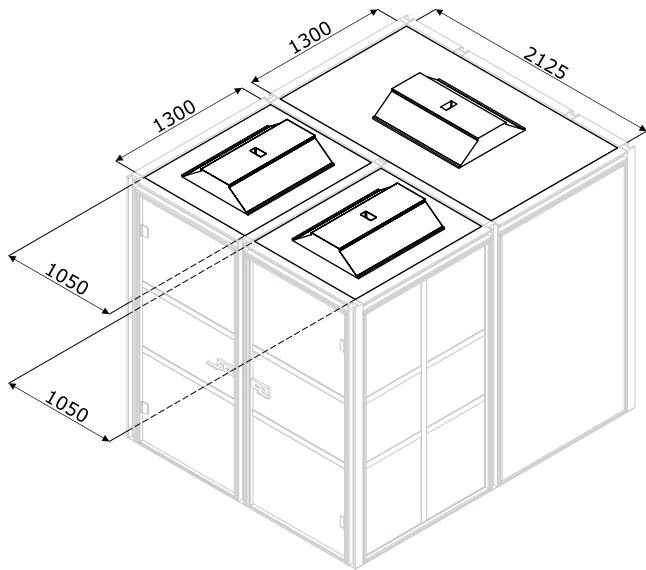
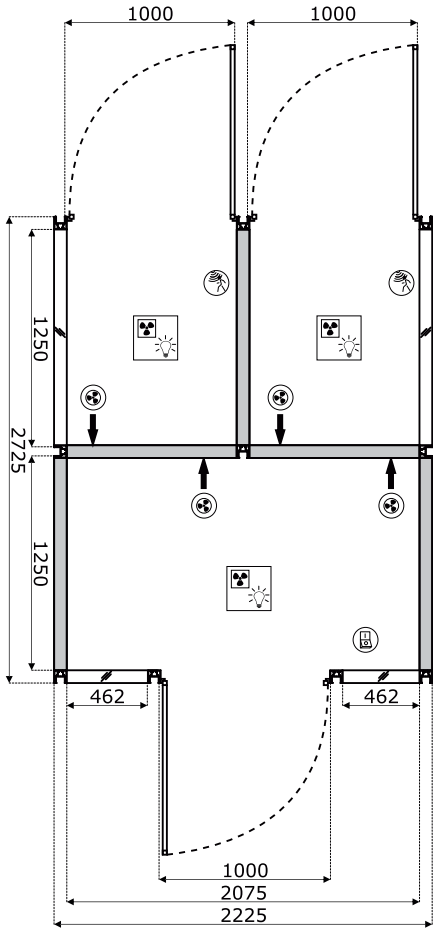
Hako

Legend:

-  motion sensor (activates the exhaust fans and lighting)
-  wireless light switch – which can be situated in any place



-  in-take fans (near the floor) can be turned on and off, with adjustable fan speed – Attention! It is suggested not to block fans to ensure the proper airflow rate
-  exhaust fans are integrated with the ceiling lamp



HK05



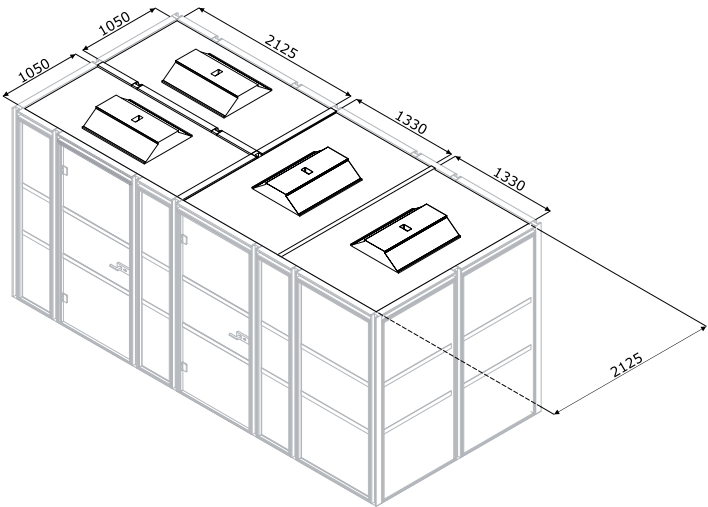
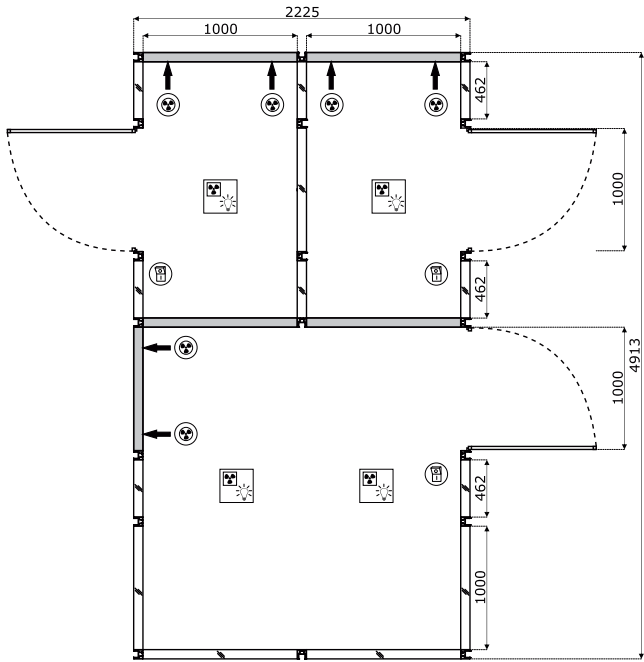
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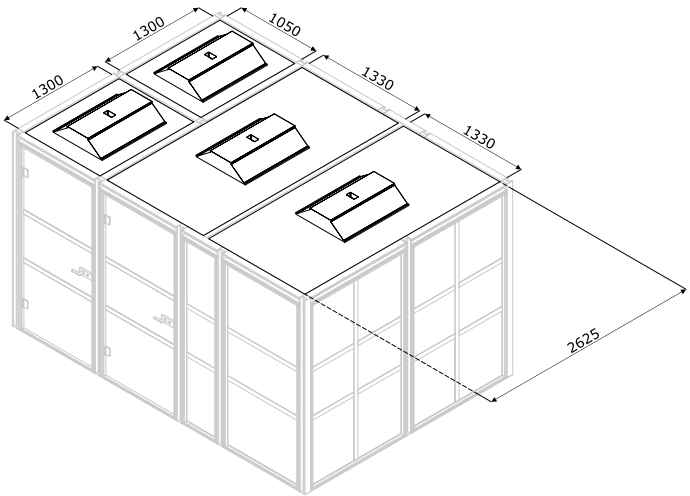
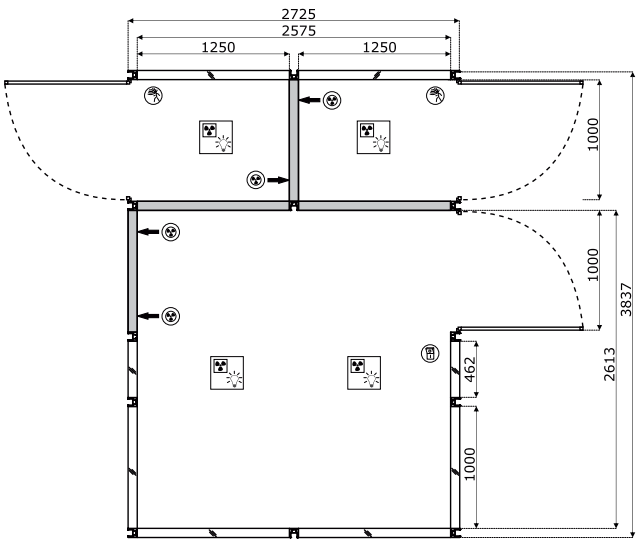
-  motion sensor (activates the exhaust fans and lighting)
-  wireless light switch – which can be situated in any place

-  in-take fans (near the floor) can be turned on and off, with adjustable fan speed – Attention! It is suggested not to block fans to ensure the proper airflow rate
-  exhaust fans are integrated with the ceiling lamp

HK06

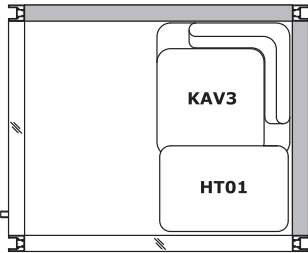
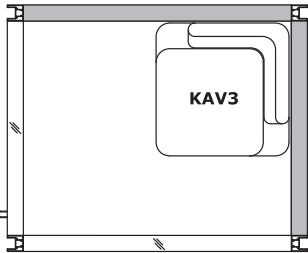


HK07

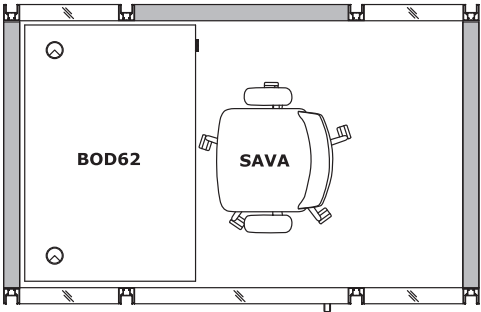
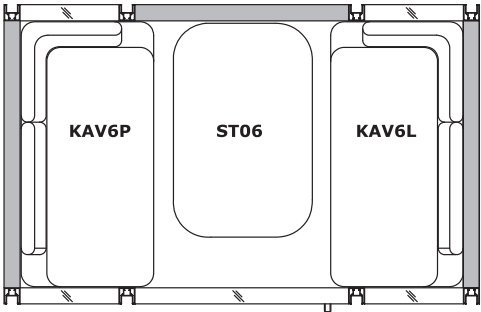


Configuration examples

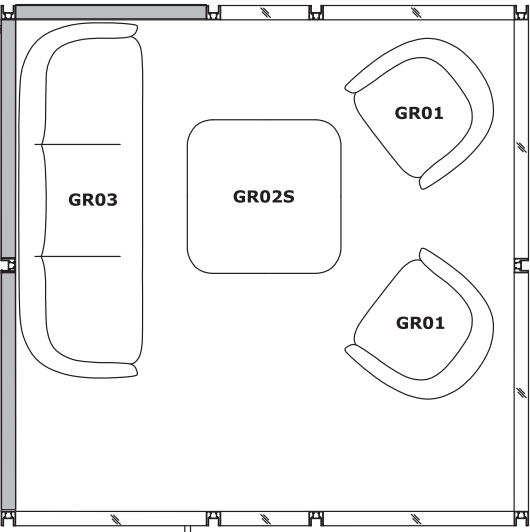
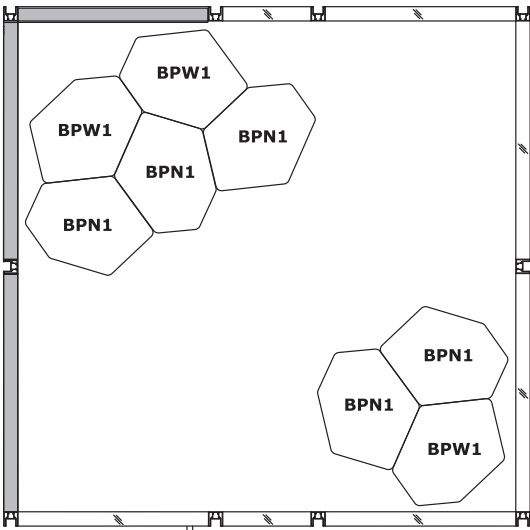
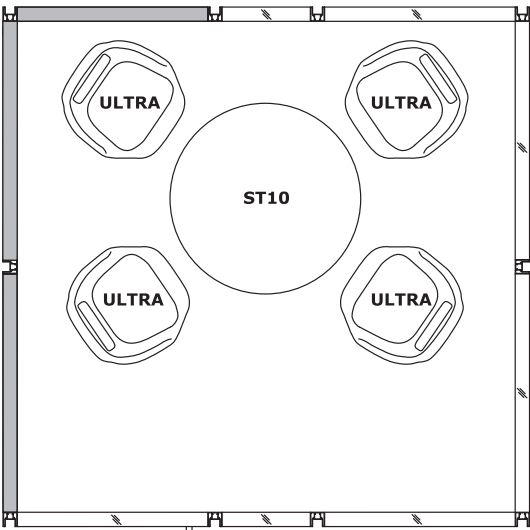
HK01



HK021

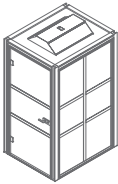


HK03

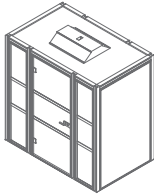


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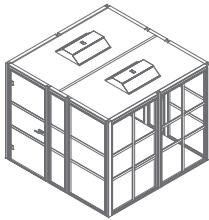
Hako - office booth *



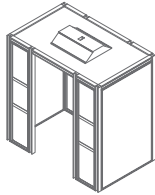
HK01
1150 / 1400 / 2341
399.7 kg



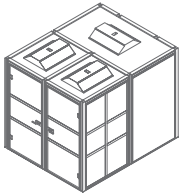
HK021
2225 / 1400 / 2341
534.66 kg



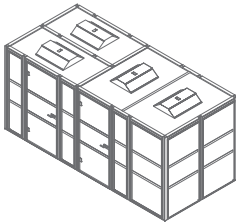
HK03
2762 / 2725 / 2341
942.3 kg



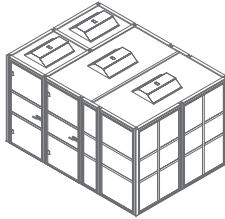
HK04
2225 / 1400 / 2341
442 kg



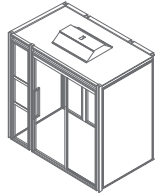
HK05
2225 / 2725 / 2341
995.06 kg



HK06
4913 / 2225 / 2341
1572 kg

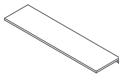


HK07
3838 / 2725 / 2341
1437.4 kg



HK08
2347 / 1400 / 2283
533 kg

Shelf *



HK1P
980 / 250 / 156
8 kg

* dimensions expressed in millimeters: width x depth x height

Fabric Mica – second price group



Technical data:

Material	post-consumer recycled polyester 97%, polyester 3%
Fabric weight	305 g/lm
Abrasion resistance rubs	60,000 rubs martindale (EN ISO 12947-2)
Pilling resistance	scale 1-5, max. 5 - EN ISO 12945-2, 4-5
Light fastness	scale 1-8, max. 8 - EN ISO 105-B02, 5-8
Rubbing fastness	dry: 4-5, wet: 4-5, scale 1-5, max. 5 - EN ISO 105x12
Flammability	CA TB 117-2013 ASTM E 84 Class I BS EN 1021-1 Cigarette BS EN 1021-2 Match BS 476 Part 7 class I

Fabric Medley – second price group



Technical data:

Material	polyester 100%
Fabric weight	510 g/lm (16.45 oz./lin.yd.)
Abrasion resistance rubs	BS EN ISO 12947-2, 75,000 cykli Martindale
Pilling resistance	scale 1-5, max. 5, EN ISO 12945-2 (4)
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))
Acoustic test sound absorption	ISO 354
Flammability	BS EN 1021-1 (cigarette) BS 476 Part 7, Class 2 Class Uno UNI 9174 - UNI 8457 CA TB 117-2013 ASTM E 84 Class I

Fabric Go Check – second price group



Technical data:

Material	100% Trevira CS
Fabric weight	435g/lm
Abrasion resistance rubs	80,000 rubs martindale (EN ISO 12947-2)
Pilling resistance	scale 1-5, max. 5 - EN ISO 12945-2, 5
Light fastness	scale 1-8, max. 8 - EN ISO 105-B02, 5-8
Rubbing fastness	dry: 4-5, wet: 4-5, scale 1-5, max. 5 - EN ISO 105x12
Flammability	BS EN 1021 1&2 Cigarette and Match BS EN 1021-1 Cigarette BS 5852 Crib 5 BS 7176 Medium hazard DIN 4102 - B1 NFP 92-503/504/505 M1 ÖNORM A3800-B1-B3825-Q1 UK Class Uno UNI 9175 Class 1 I EMME FAR/JAR 25.853 (a) (i) (ii) CA TB 117-2013 DIN EN 13501-1 B-s1,d0 AM 18 - NF D 60-013-(only for fabric)

Fabric Charles – second price group



Technical data:

Material	100% polyester
Fabric weight	433g/m2
Abrasion resistance rubs	90,000 Martindale cycles (EN ISO 12947-2)
Pilling resistance	EN ISO 12945-2, 5
Light fastness	EN ISO 105-B02, 5
Rubbing fastness	dry: 4-5, wet: 4-5, EN ISO 105x12
Flammability	EN 1021, 1

* There is a possibility of ordering the product in full colour spectrum of Charles range, as per Dekoma pattern book, within the standard delivery time.

Fabric Synergy – third price group



Technical data:

Composition	95% Virgin Wool, 5% Polyamide
Fabric weight	400g/m ² (560g/lm)
Abrasion resistance rubs	100.000 Martindale cycles
Colour fastness to light	ISO 105 – B02
Colour fastness to rubbing	EN ISO 105x12 (dry/wet) 4-4
Flammability	EN 1021 – 1&2 (cigarette & match) BS 7176 Low Hazard NF D 60-013 ÖNORM B 3825 & A 3800-1 (58 kg/m ³ CMHR Foam) UNI 9175 Classe 1 IM EN 13501-1 Adhered Class D, s1, d0 IMO FTP Code (Part 8) The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (Domestic Cigarette and Match) BS 5852 Ignition Source 5 when FR treated BS 7176 Medium Hazard when FR treated EN 13501-1 Adhered Class B, s1, d0 when FR treated EN 13501-1 Un-adhered Class D, s2, d0 when FR treated BS 5867-2: Type B Curtains & Drapes when FR treated

Fabric Silvertex – third price group

Technical data:

Material	Topcoat: 100% Vinyl Backing: 100% Polyesterr Hi-Loft™
Fabric weight	685 gr/m ²
Abrasion resistance	>300,000 cycles Martindale
UV-resistance	>= 7 (1000 hours, blue wool scale)
Cold Crack resistance	-23°C
Flame retardancy	NF P 92-503 / M2 EN 1021, Part 1&2 DIN 4102 B2 ÖNORM B 3825, Gruppe I – Schwerbrennbares Verhalten ÖNORM A 3800, Teil I, Qualmbildungsklasse QI – schwachqualmend IMO Res. MSC.307 (88) (2010 FTP Code) Annex I Part 8 (MED) Marine Equipment Directive in its current valid version UNI 9175 (1987) / UNI 9175/FAI (1994) Classe I.IM (uno I EMME) UNE 23.727-90 IR /M2 EN 71-2: 2006+AI: 2007 Safety of Toys – Part 2: Flammability ECE R 118 (replaces Directive 95/28/EC) FMVSS 302 FAR 25/853
Antimicrobial	Antifungal Protection, Antibacterial Protection, Antimycotic Protection

There is a possibility of ordering the product in full colour spectrum of Silvertex range, as per Spradling's pattern book, within 15 working days.

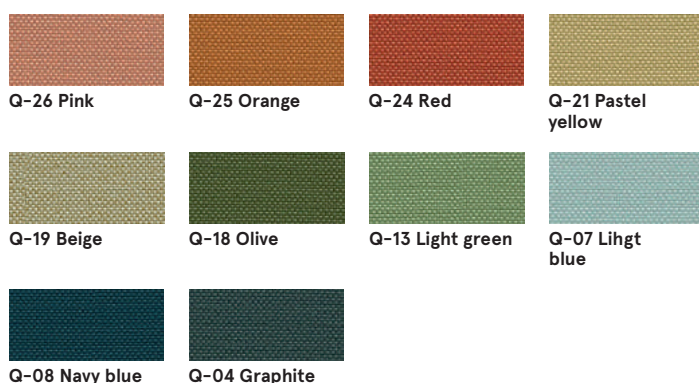
Fabric Oceanic - third price group



Technical data:

Material	100% post-consumer recycled polyester
Fabric weight	497g/m2
Abrasion resistance rubs	100,000 Martindale cecles (EN ISO 12947-2)
Pilling resistance	EN ISO 12945-2, 5
Light fastness	EN ISO 105-B02, 5
Rubbing fastness	dry: 4, wet: 4, EN ISO 105x12
Flammability	EN 1021, - 1&2 (Cigarette and Match) BS 7176 Low Hazard BS 5852 Ignition Source BS 7176 Medium Hazard

Fabric Quest - third price group



Technical data:

Material	100% post-consumer recycled polyester
Fabric weight	330g/m2
Abrasion resistance rubs	100,000 Martindale cecles (EN ISO 12947-2)
Light fastness	EN ISO 105-B02, 4-6
Rubbing fastness	dry: 4, wet: 4, EN ISO 105x12
Flammability	EN 1021, - 1&2 (Cigarette and Match) BS 7176 Low Hazard UNI 9175 Classe 1 IM BS 476 Part 7 Class 1Y (Adhered) EN 13501-1 Adhered Class B, s1, d0 EN 13501-1 Un-adhered Class B, s1, d0 BS 5852 Ignition Source 5 with EnviroFlam5 BS 7176 Medium Hazard with EnviroFlam5 IMO FTP Code (Part 8) with EnviroFlam5

Fabric Grain - third price group



Technical data:

Material	92% post-consumer recycled polyester 8% polyester
Fabric weight	615g/m2
Abrasion resistance rubs	100,000 Martindale cecles (EN ISO 12947-2)
Pilling resistance	EN ISO 12945-2, 5
Light fastness	EN ISO 105-B02, 5-7
Rubbing fastness	dry: 4-5, wet: 4-5, EN ISO 105x12
Flammability	BS EN 1021 1&2 Cigarette and Match BS EN 1021-1 Cigarette CA TB 117-2013

Fabric Atlas – fourth price group



Technical data:

Material	90% new wool, 10% nylon
Fabric weight	286g/m2, 400g/lm
Abrasion resistance rubs	100,000 cykli Martindale, EN ISO 12947
Colour fastness to light	ISO 105 B02: 6-7
Colour fastness to rubbing	ISO 105-X12:2001, (wet/dry) 4-5/4-5
Flammability	BS EN 1021-2 Match, BS EN 1021-1 Cigarette, BS 5 5852 Crib 5, BS 5852 ignition source 3, BS 5852 Part 1, NF D 60 013, UNI 9175 1IM, US Cal. Bull. 117-2013

Frame – metal



Omega Ekspres SIA

LV40003402577

Biroja adrese: Lāčplēša 125, LV-1003, Rīga

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Hako	Date of preparation 31.01.2023	The data contained in this document is valid in the day of its preparation. Change of the product, as long as it does not affect the basic features of it, does not require consistent updates of the document.	page 14/14
			colours