

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 management 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 higly 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.**

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

Certyficate - MFC:



Certyficate - fabric:



Assembly:

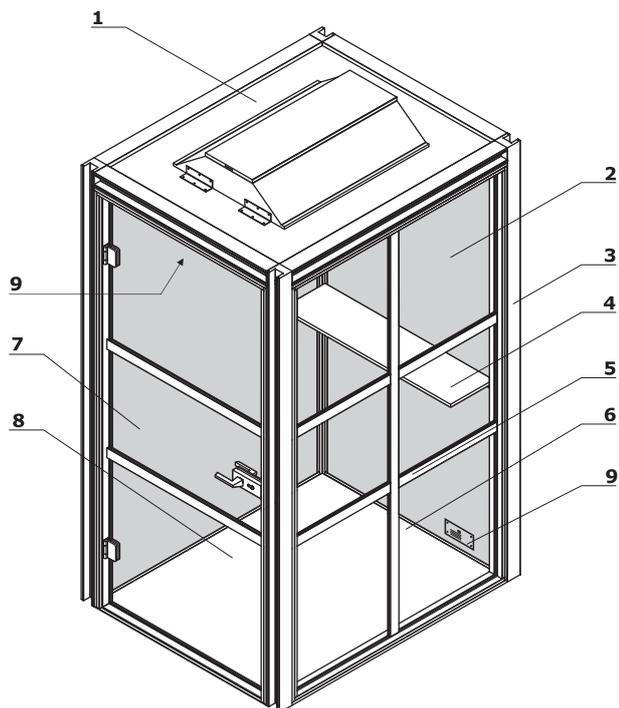
product delivered in separate elements

Packing:

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

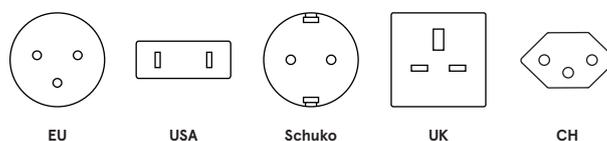
<p>Hako</p>	<p>Date of preparation 05.01.2021</p>	<p>The data contained in this document is valid in the day of its preparation. Change of the product, as long as it does not affect the basic features of it, does not require consistent updates of the document.</p>	<p>page 2/12 general informations</p>
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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:



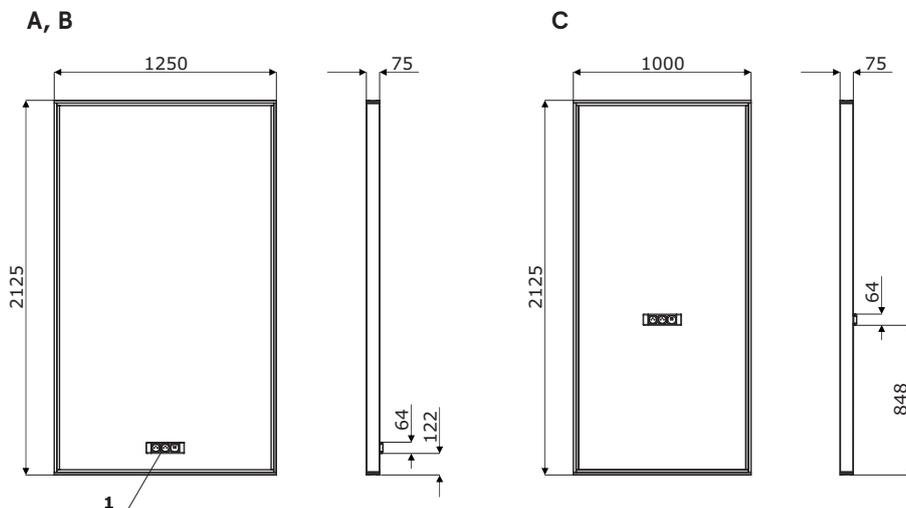
Additional information:

- Sonic technology structure with A-class acoustics certificate
- 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 what allows, among other things, situating the booth in any place as well as easy cable management.

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



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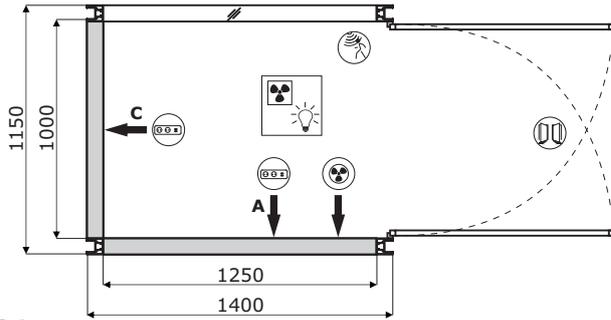
Hako

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
- HK01 (possible configurations: A, C, AC)
 - HK04 (possible configurations: A, B, AB)
 - HK021 (possible configurations: A, B, C, AB, AC, BC, ABC)

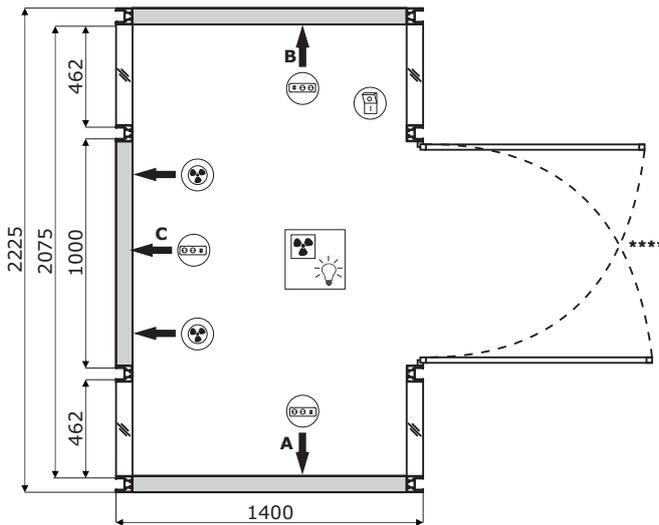
Legend:

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

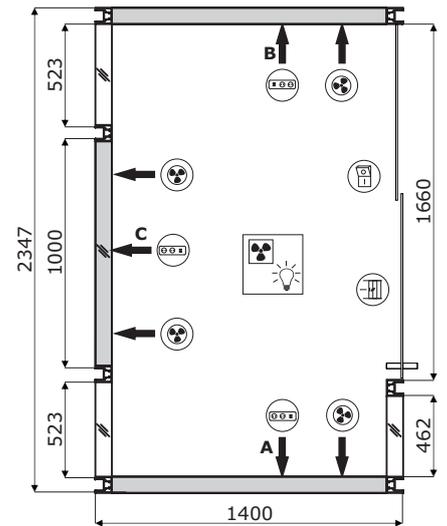
HK01



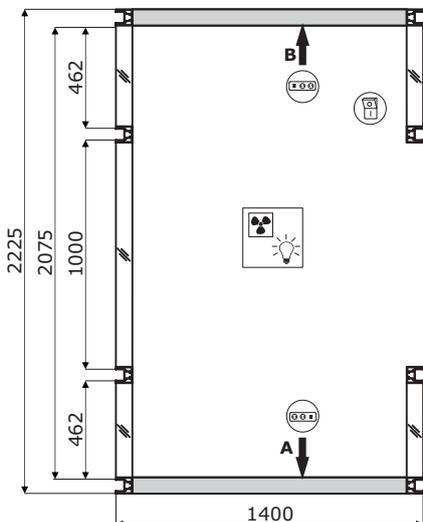
HK021



HK08



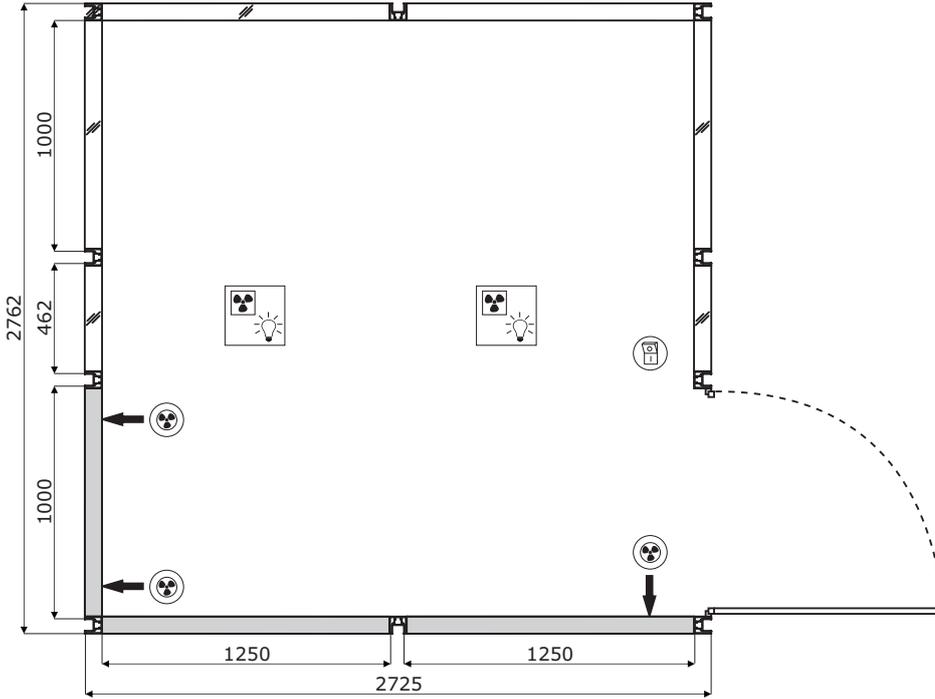
HK04



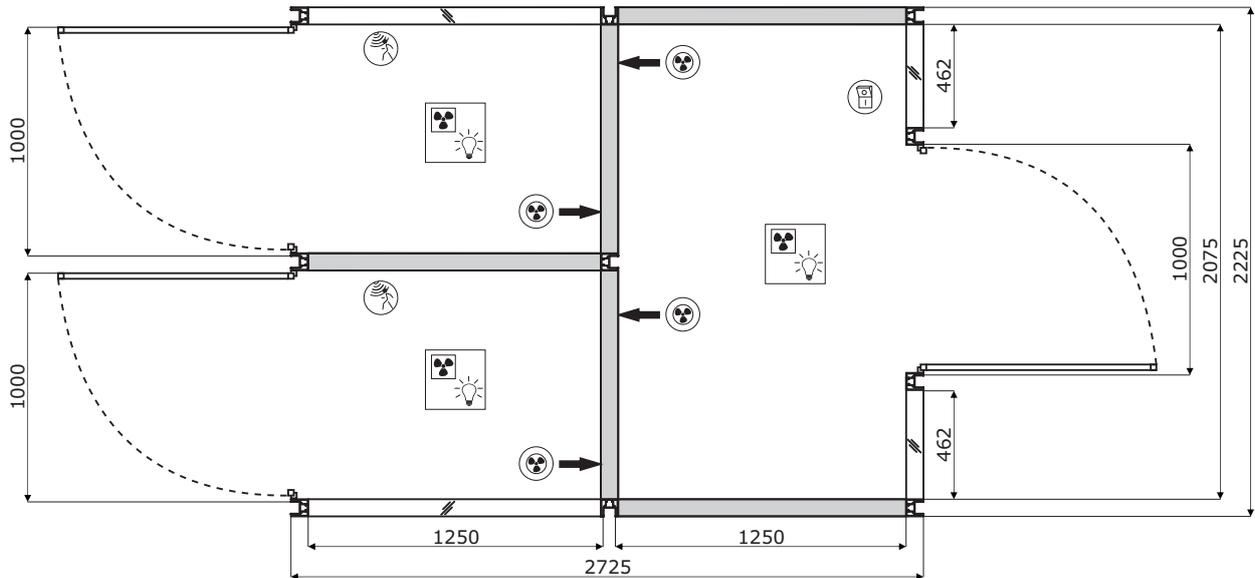
Legend:

-  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

HK03



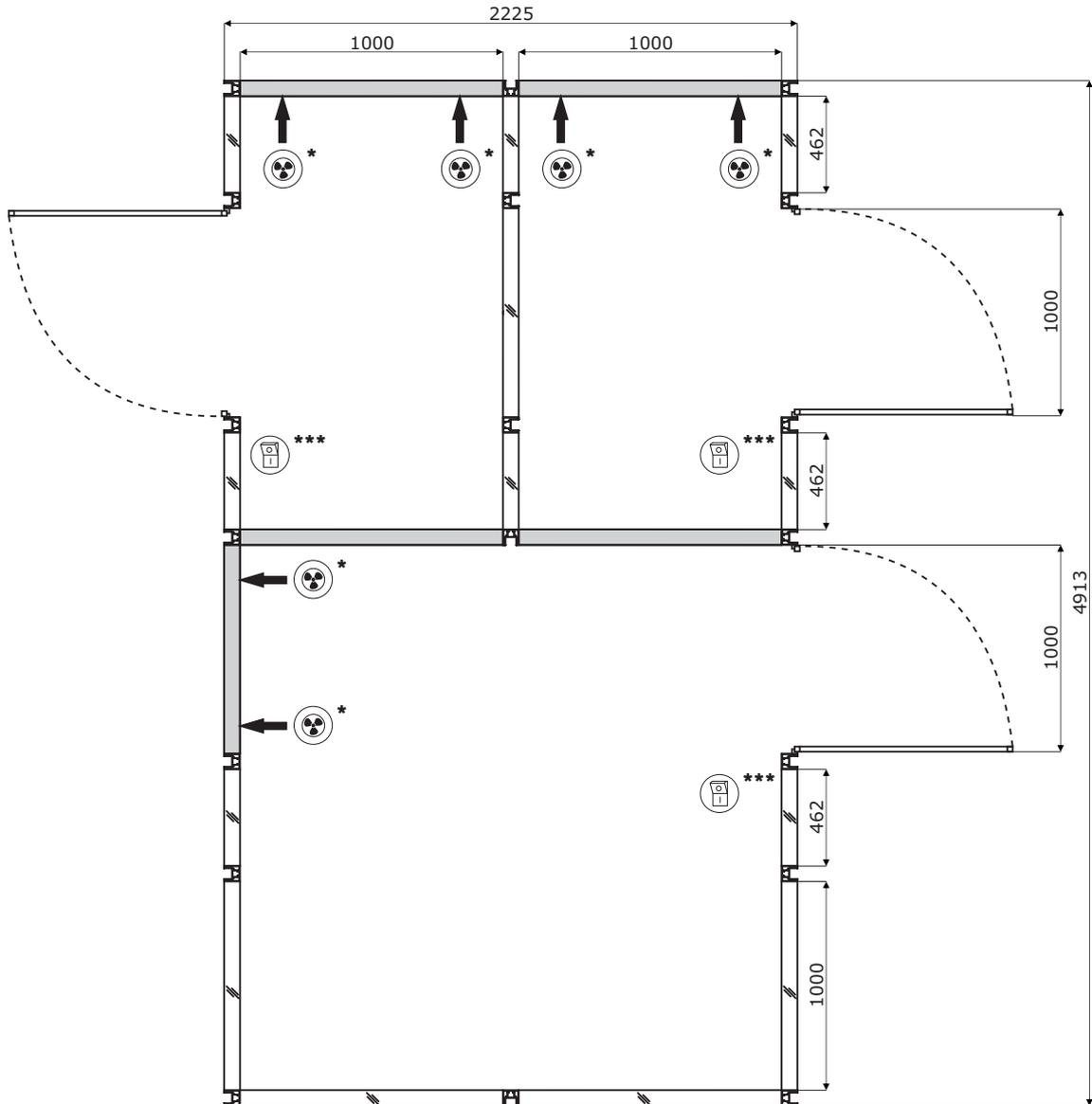
HK05



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

HK06

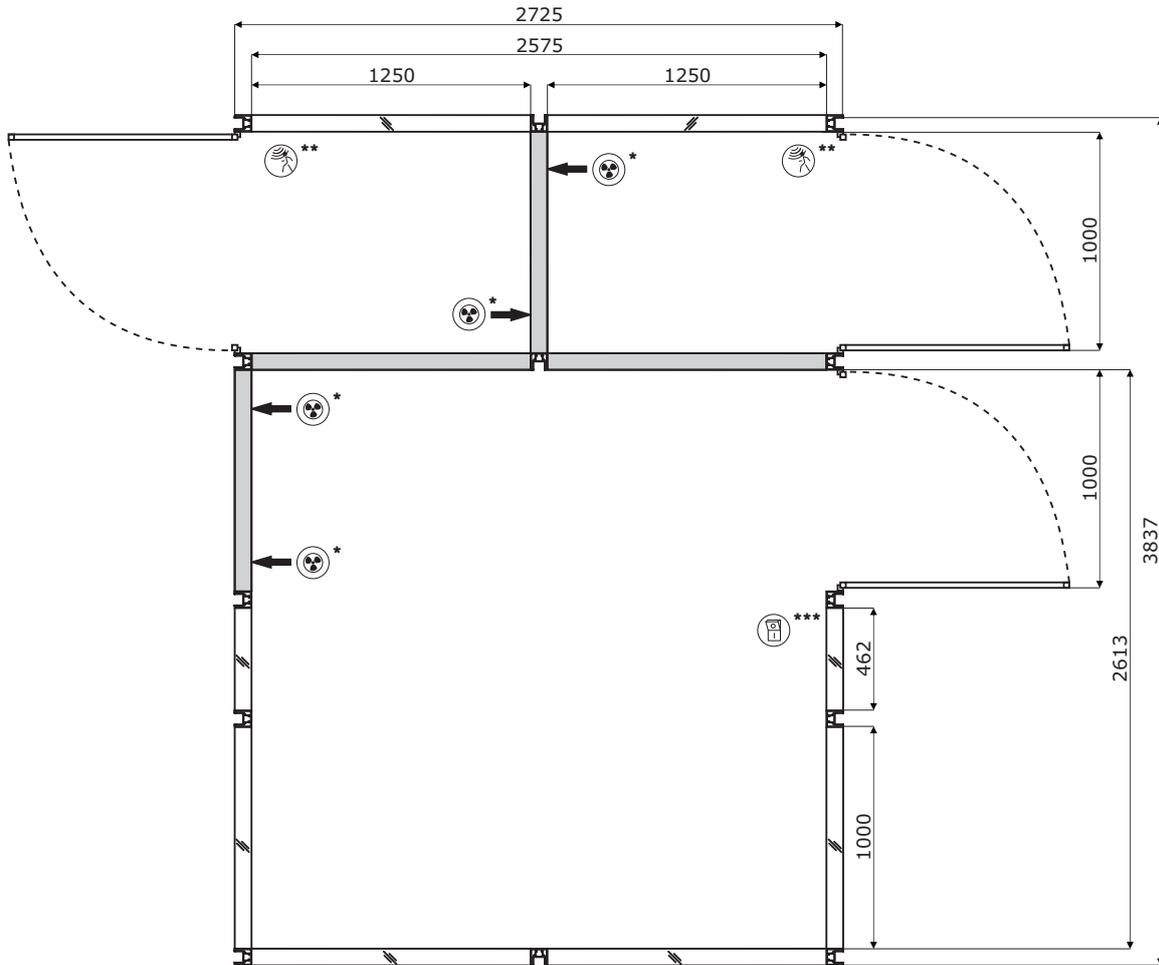


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Legend:

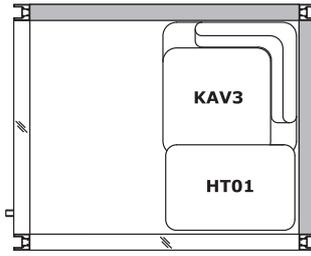
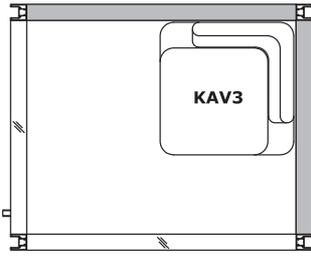
-  motion sensor (activates the exhaust fans and lighting)
-  wireless light switch – which can be situated in any place
-  in-take fans (near the floor) can be turned on and off, with adjustable fan speed - Attention! It is suggested not to block fans to ensure the proper airflow rate
-  exhaust fans are integrated with the ceiling lamp

HK07

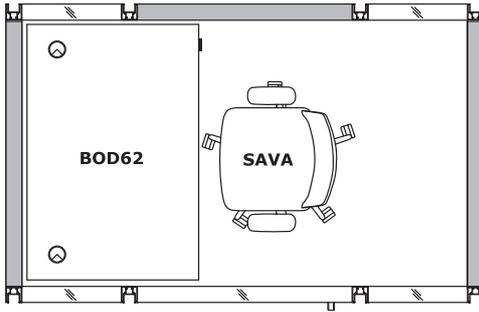
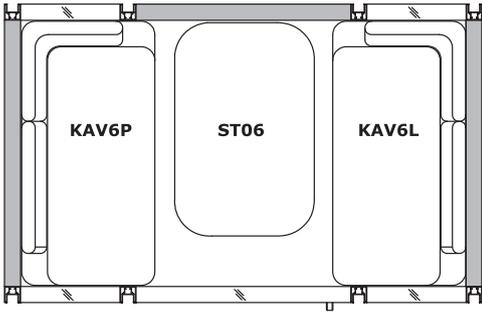


Configuration examples

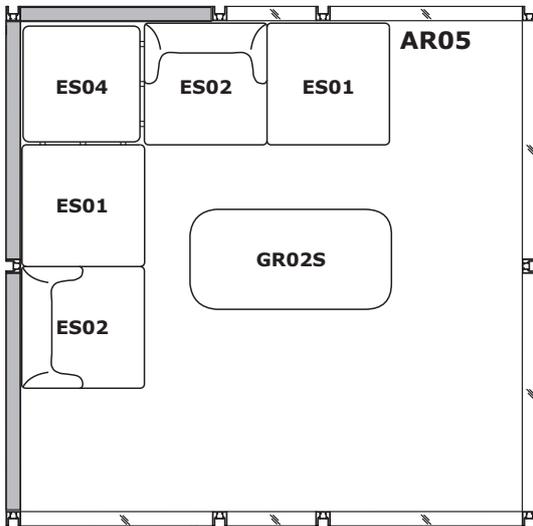
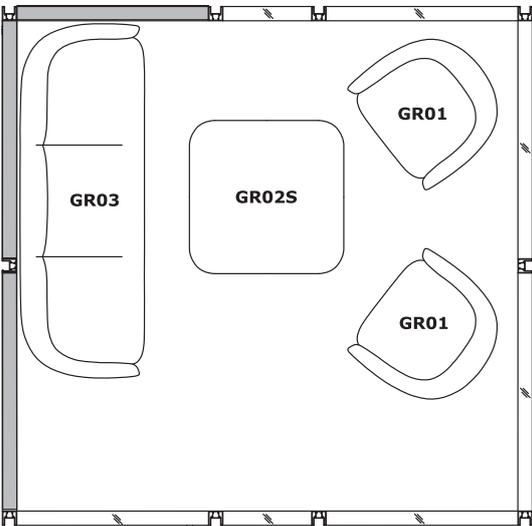
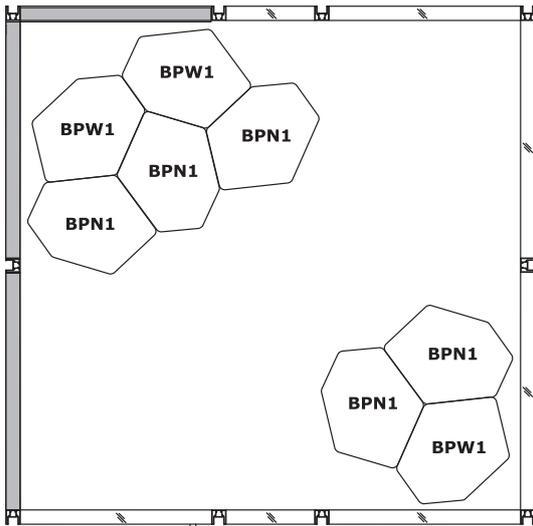
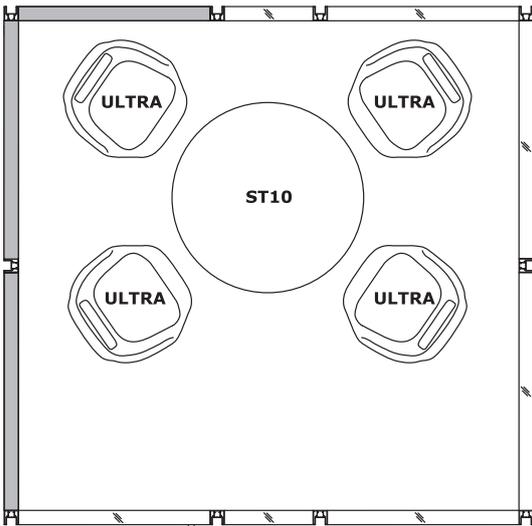
HK01



HK021



HK03



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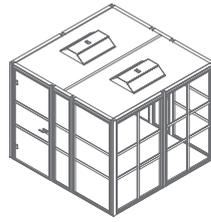
Hako - office booth *



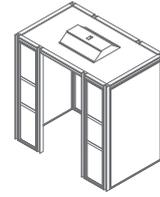
HK01
1400 / 1150 / 2341
398 kg



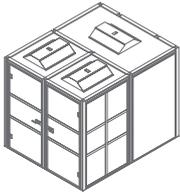
HK021
2225 / 1400 / 2341
531.18 kg



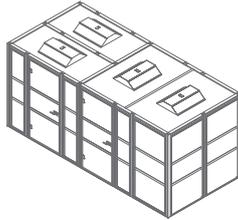
HK03
2762 / 2725 / 2341
935.3 kg



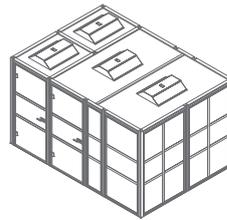
HK04
2225 / 1400 / 2341
442 kg



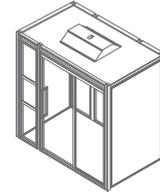
HK05
2725 / 2225 / 2341
1451.68 kg



HK06
2225 / 4913 / 2341
1571 kg



HK07
2725 / 3838 / 2341
1426.38 kg



HK08
2225 / 1400 / 2341
531.18 kg

Shelf *



HK1P
980 / 250 / 156
6 kg

* dimensions expressed in millimeters: width x depth x height

Office booth – walls outside, inside – fabric Medley – second 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)

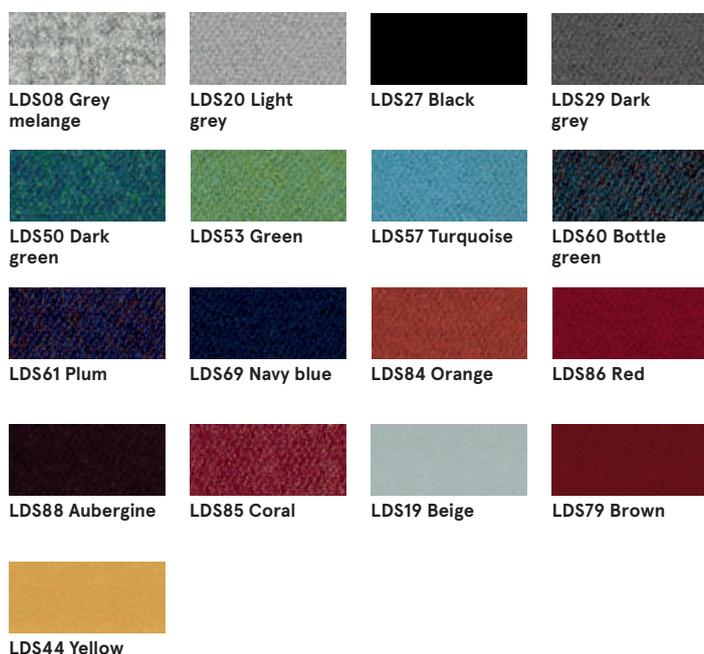
Colour fastness to light scale 1-8, max. 8, EN ISO 105-B02 (5-7)

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

Office booth – walls outside, inside – fabric Synergy – third price group



Technical data:

Material 95% Virgin Wool, 5% Poliamid

Fabric weight 400g/m2 ±5% (560 g/lin.m ±5%)

Abrasion resistance rubs Independently certified
≥100,000 Martindale cycles

Colour fastness to light 5 (ISO 105 - B02)

Colour fastness to rubbing ISO 105 - X12 - wet: 4, dry: 4

Flammability EN 1021 - 1 (cigarette),
EN 1021 - 2 (match),
BS 7176 Low Hazard,
UNI 9175 Classe 1 IM,
ÖNORM B 3825 & A 3800-1

Fabric Silvertex – third price group

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.

Technical data:

Material	Topcoat: 100% Vinyl Backing: 100% Polyesterr Hi-Loft™
Fabric weight	685 gr/m2
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 91 75 (1987) / UNI 9175/FAI (1994) Classe I.IM (uno I EMME) UNE 23.727-90 IR /M2 EN 71-2: 2006+A1: 2007 Safety of Toys – Part 2: Flammability ECE R 11 8 (replaces Directive 95/28/EC) FMVSS 302 FAR 25/853
Antimicrobial	Antifungal Protection, Antibacterial Protection, Antimycotic Protection

Office booth – walls outside, inside – 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

Office booth – walls outside, inside – fabric Field2 – fourth price group



Technical data:

Material	100% Trevira CS
Fabric weight	321g/m2, 450g/lm
Abrasion resistance rubs	100,000 cykli Martindale, EN ISO 12947
Colour fastness to light	ISO 105 B02: 5-7
Flammability	BS EN 1021-2 Match, BS EN 1021-1 Cigarette, BS 5 5852 Crib 5, DIN 4102 B1 FAR 25.853, UNI 9177 classe 1, US Cal. Bull. 117-2013

Frame - metal



M010 Light grey
semi-matt RAL7044



M014 Red
semi-matt RAL3016



M154 Anthracite
semi-matt RAL7043
