

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 higly aware of the environment.

Being located in the forest region with lake by its 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:

Hako



Certificate - fabric:



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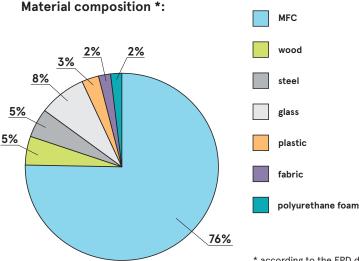
Packing:

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

Assembly: product delivered in separate elements

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



Recyclability ** Recycling: 12% - Downcycling: 88%

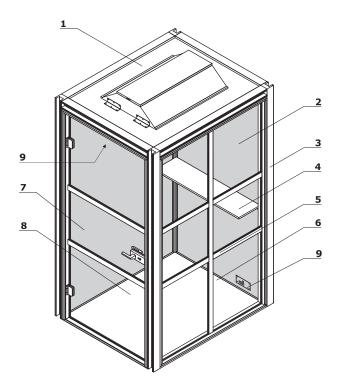
Recycled content 9%

Co2 carbon footprint 155,2 kg

* according to the EPD document

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

Office booth Hako



- 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:

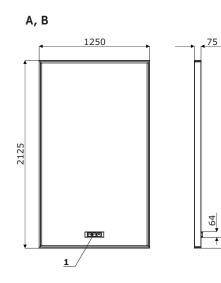
- multi-layer walls structure ensure ideal acoustic isolation; the remarkable acoustic parameters have been confirmed through a research done by an acreddited laboratory in accordance with ISO 23351-1:2020 acquiring a certificate with the DS,A result of 25,7 dB
- air function fans work for additional 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, 3200Im, 4000k, 220-240V AC, 120', RA>80, PF>0.9, white, STANDARD LINE

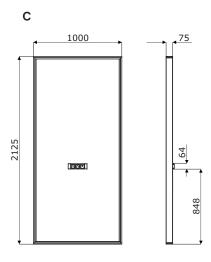
Attention! In standard the booth has no floor.

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





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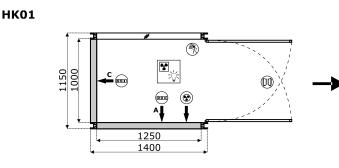
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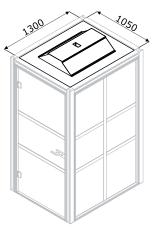
Legend:

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

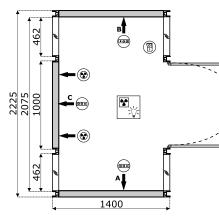
(in-take fans (near the floor) can be turned on and off, with adjustable fan speed - Attention! It is suggested not to block fans to ensure the proper airflow rate

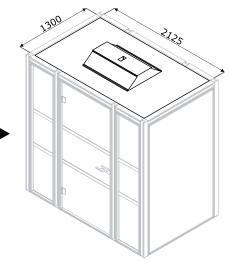
exhaust fans are integrated with the ceiling lamp



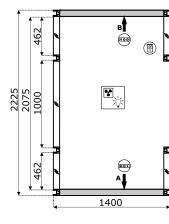


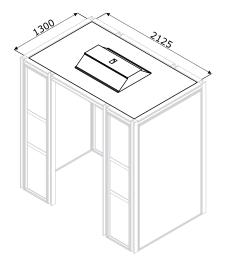
HK021





НК04





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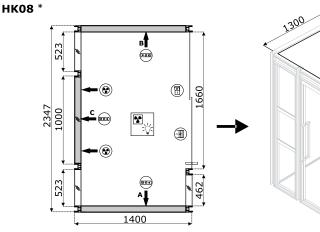
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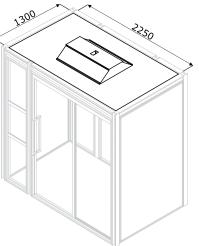
Legend:

- 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

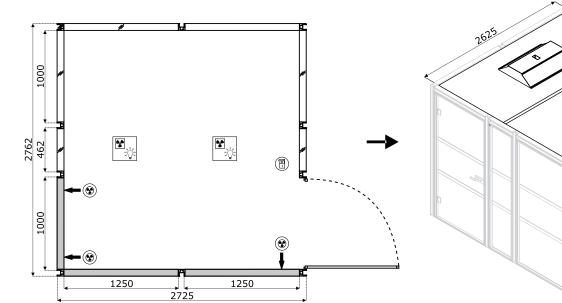
exhaust fans are integrated with the ceiling lamp

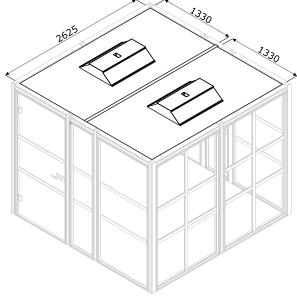




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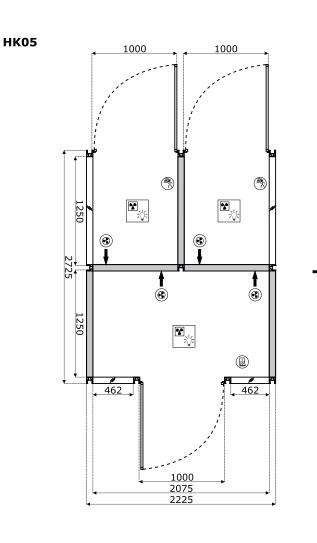


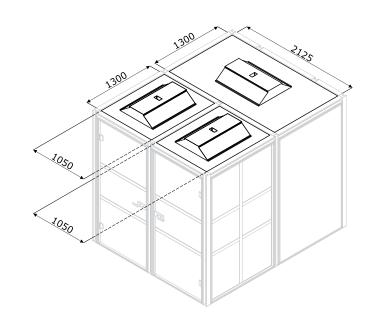
* frosted stripes on front walls of sliding door

Hako

Legend:

- motion sensor (activates the exhaust fans and lighting)
- $(\fbox{\begin{subarray}{c} \limits} \begin{subarray}{c} \hline \end{subarray} \end{subarray}$ 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





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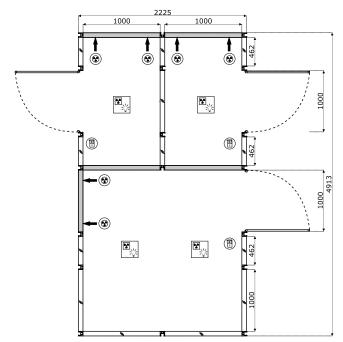
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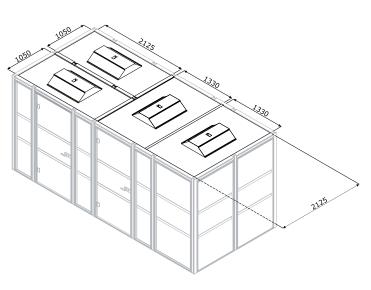
Legend:

- motion sensor (activates the exhaust fans and lighting)
- (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

 $\mathbb{P}_{\mathcal{T}}$ exhaust fans are integrated with the ceiling lamp

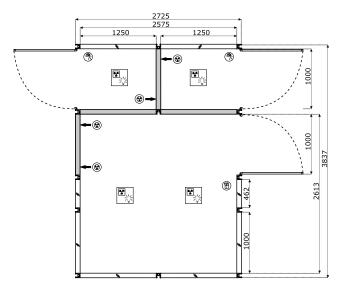
НК06

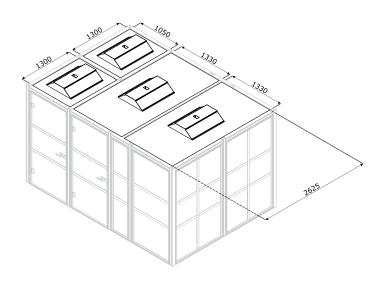




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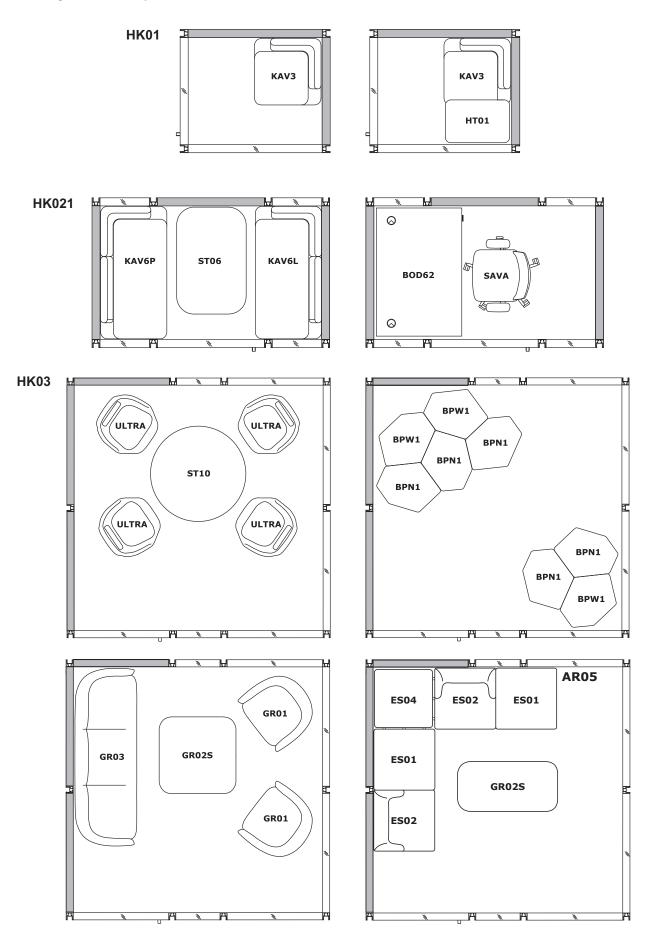




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Configuration examples



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Hako - office booth *



HK01 1150 / 1400 / 2341 399.7 kg



HK05 2225 / 2725 / 2341 995.06 kg

HK021 2225 / 1400 / 2341 534.66 kg



HK03 2762 | 2725 | 2341 942.3 kg



HK06 4913 / 2225 / 2341 1572 kg



HK07 3838 / 2725 / 2341 1437.4 kg



HK04 2225 / 1400 / 2341 442 kg



HK08 2347 / 1400 / 2283 533 kg

Shelf *



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HK1P 980 / 250 / 156 8 kg

* dimensions expressed in millimeters: width x depth x height

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Пако	31.01.2023	does not require consistent updates of the document.	products	

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Fabric Mica - second price group

Les and the second	the state of the				
1. 1. 1. 1.			in monthly and	Material	post-consumer recycled polyester 97%,
MC-2496-64183	MC-2496-64146	MC-2497-64146	MC-2497-66006		polyester 3%
Pink	Red	Dark red	Navy blue	Fabric weight	305 g/lm
200 C 200			1000 CONTRACTOR 1000	Abrasion resistance rubs	60,000 rubs martindale (EN ISO 12947-2)
20.200				Pilling resistance	scale 1-5, max. 5 - EN ISO 12945-2, 4-5
1000		Social Contraction		Light fastness	scale 1-8, max. 8 - EN ISO 105-B02, 5-8
MC-2496-66030	MC-2497-67042	MC-2497-67017	MC-2497-68146	Rubbing fastness	dry: 4-5, wet: 4-5, scale 1-5, max. 5 - EN IS
Blue	Aquamarine	Bottle green	Green		105x12
				Flammability	CA TB 117-2013
					ASTM E 84 Class I
1. 12 A.M	· · · · · · · · · · · · · · · · · · ·	1. 10 m 1 m 1 m	C That is a set		BS EN 1021-1 Cigarette
MC-2497-62048	MC-2496-62093	MC-2496-62095	MC-2496-62096		BS EN 1021-2 Match
MC-2497-62048 Olive	MC-2496-62095 Light olive	MC-2496-62095 Mustard	MC-2496-62096 Yellow		BS 476 Part 7 class l
	EiBlic onvo	Mastara			
		and the second			
The State	Alexander and the la				
a set for the Earth	a sea that he				
MC-2496-61008	MC-2496-60000	MC-2497-60000	MC-2497-60021		
Beige	Light grey	Grey	Graphite		
	States -	如是自己的方法			
Contraction of the					
a start and the start	and the last the	学校 会是任常			
MC-2496-66031	MC-2496-67015	MC-2497-64029			
Light blue	Mint	Burgundy			

Fabric Medley - second price group

				Technical data:	
		a the second		Material	polyester 100%
M-68005 Dark	M-66008 Grey	M-64019 Red	M-63064 Pink	Fabric weight	510 g/lm (16.45 oz/lin.yd.)
olive	,			Abrasion resistance rubs	BS EN ISO 12947-2, 75,000 cykli Martindale
	of the local distances	Market No. of Station		Pilling resistance	scale 1-5, max. 5, EN ISO 12945-2 (4)
en fille de la constant de la classifie de la classifie de la constant (1) constant de la constant de la classifie de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de la constant de		CONTRACTORIES		Colour fastness to light	scale 1-8, max. 8, EN ISO 105-B02 (5-7)
	A DESCRIPTION OF THE OWNER.	and the second second		Colour fastness to rubbing	scale 1-5, max. 5, EN ISO 105x12
M (0000 Block	M (1190 Doing	M (0007 Linkt	M-62054 Mustard		(wet/dry (4-5/4-5)
M-60999 Black	M-61189 Beige	M-60003 Light grey	M-02054 Mustard	Acoustic test sound	ISO 354
		6109		absorption	
				Flammability	BS EN 1021-1 (cigarette)
			1. 小学校 二、学校 二		BS 476 Part 7, Class 2
Shelman, Marin		State of the local division of the			Class Uno UNI 9174 - UNI 8457
M-62002 Yellow	M-66010 Blue	M-65011	M-63017 Rusty		CA TB 117-2013
		Grey-violet			ASTM F 84 Class I



ASTM E 84 Class I

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Fabric Go Check - second price group

				Technical data:	
				Material	100% Trevira CS
G-66136 Blue	G-66135 Light	G-60080 Dark	G-66138 Navy	Fabric weight	435g/lm
	blue	grey	blue	Abrasion resistance rubs	80,000 rubs martindale (EN ISO 12947-2)
	000000000000000000000000000000000000000	0.0000000000000000000000000000000000000	000000000000000000000000000000000000000	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
G-60084 Dark	G-68149 Dark	G-68152 Green	G-60079 Grey		105x12
graphite	green			Flammability	BS EN 1021 1&2 Cigarette and Match
		000000000000000000000000000000000000000			BS EN 1021-1 Cigarette
					BS 5852 Crib 5
					BS 7176 Medium hazard
		222222222222222222222222222222222222222			DIN 4102 - B1
G-64183 Marsala	G-63079 Orange	G-64171 Red	G-64172 Burgundy		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
G-61144 Brown	G-61145 Dark				DIN EN 13501-1 B-s1,d0
	brown				AM 18 - NF D 60-013-(only for fabric)

Fabric Charles - second price group



* 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:		
The set with			and the state of the	Composition	95% Virgin Wool, 5% Polyamide	
LDS08 Grey	LDS20 Light	LDS27 Black	LDS29 Dark	Fabric weight	400g/m2 (560g/lm)	
melange	grey	ED327 DIACK	grey	Abrasion resistance rubs	100.000 Martindale cycles	
Ŭ	o ,		0 ,	Colour fastness to light	ISO 105 - B02	5
				Colour fastness to rubbing	EN ISO 105x12	
				c c	(dry/wet)	4-4
				Flammability	EN 1021 - 1&2 (cigarette & match)	
LDS50 Dark	LDS57 Turquoise	LDS60 Bottle	LDS61 Plum	,	BS 7176 Low Hazard	
green		green			NF D 60-013	
ALTING & SPACE AND	在 州自己的一种自己的				ÖNORM B 3825 & A 3800-1 (58 kg/	m3 CMHR
	行机的复数和影响	and the second second	the second states		Foam)	
		and the state of the			UNI 9175 Classe 1 IM	
LDS69 Navy blue	LDS84 Orange	LDS86 Red	LDS88 Aubergine		EN 13501-1 Adhered Class D, s1, d0	
					IMO FTP Code (Part 8)	
					The Furniture and Furnishing (Fire) ((Safety)
					Regulations 1988 (Domestic Cigaret	-
					Match)	
LDS19 Beige	LDS79 Brown	LDS44 Yellow			BS 5852 Ignition Source 5 when FR	treated
20017 20180		LDOTT IONON			BS 7176 Medium Hazard when FR tre	eated
					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 & Drape	es when FR
					treated	

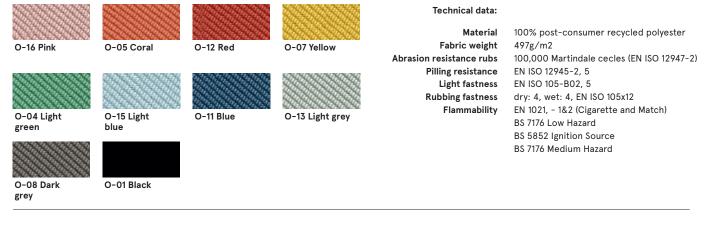
Fabric Silvertex - third price group

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.

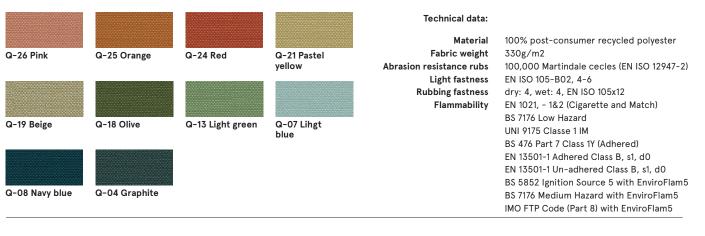
Technical data:

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 Ql
	- 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+AI: 2007 Safety of Toys – Part 2: Flammability
	ECE R I I 8 (replaces Directiveę 95/28/EC)
	FMVSS 302
	FAR 25/853
Antimicrobial	Antifungal Protection, Antibacterial
	Protection, Antimycotic Protection

Fabric Oceanic - third price group



Fabric Quest - third price group



Fabric Grain - third price group

				Technical data:	
GR-64249 Pink	GR-62122 Yellow	GR-62016 Light	GR-63117 Orange	Material	92% post-consumer recycled polyester 8% polyester
		orange	Ū	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
0.0.47.0	OD (/07/	OD ((070 Norm	OD (07010	Rubbing fastness	dry: 4-5, wet: 4-5, EN ISO 105x12
GR-68243 Olive	GR-66236 Sky-blue	GR-66232 Navy blue	GR-60301 Grey	Flammability	BS EN 1021 1&2 Cigarette and Match
	oky blue	blue			BS EN 1021-1 Cigarette
					CA TB 117-2013

GR-61252 Beige

GR-61250 White

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Fabric Atlas - fourth price group

AS-531 Orange AS-501 Pink AS-651 Red AS-681 Burgundy Fabric weight 286g/m2, 400g, Orange AS-501 Pink AS-651 Red AS-681 Burgundy Fabric weight 286g/m2, 400g, Abrasion resistance rubs 100,000 cykli Ma Colour fastness to light ISO 105 B02: 6-7 Colour fastness to rubbing ISO 105-X12:200 Flammability BS EN 1021-2 Ma BS 5 5852 Crib 5 BS 5852 Part 1, N			Technical data:	
Orange Abrasion resistance rubs 100,000 cykli Ma As-391 Brown As-781 Navy blue As-161 Dark grey As-111 Light grey As-111 Light grey		the second of the second s	Material	90% new wool, 10% nylon
AS-391 Brown AS-781 Navy blue AS-161 Dark grey grey AS-111 Light grey AS-11	531 AS-501 Pink AS	S-651 Red AS-681 Burgundy	Fabric weight	286g/m2, 400g/lm
AS-391 Brown AS-781 Navy blue AS-161 Dark grey BS 5852 Crib 5 BS 5852 Part 1, N	nge		Abrasion resistance rubs	100,000 cykli Martindale, EN ISO 12947
AS-391 Brown AS-781 Navy blue AS-161 Dark AS-111 Light grey BS 5852 Crib 5 BS 5852 Part 1, N			Colour fastness to light	ISO 105 B02: 6-7
AS-391 Brown AS-781 Navy blue AS-161 Dark AS-111 Light grey BS 5852 Crib 5 grey BS 5852 Part 1, N			Colour fastness to rubbing	ISO 105-X12:2001, (wet/dry) 4-5/4-5
AS-391 Brown AS-781 Navy blue AS-161 Dark AS-111 Light grey BS 5852 Part 1, N grey BS 5852 Part 1, N			Flammability	BS EN 1021-2 Match, BS EN 1021-1 Cigarette,
grey BS 5852 Part 1, N				BS 5 5852 Crib 5, BS 5852 ignition source 3,
US Cal. Bull. 117-		0.0.7		BS 5852 Part 1, NF D 60 013, UNI 9175 11M,
	6.	,		US Cal. Bull. 117-2013
AS-971 Light AS-981 Dark	971 Light AS-981 Dark			
green green	en green			

Frame - metal



Omega Ekspress SIA LV40003402577 o: Lāčolāča 125 LV-1003 Piga

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