

Grace – stool 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 highly 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**.

Assembly:

the product comes
pre-assembled

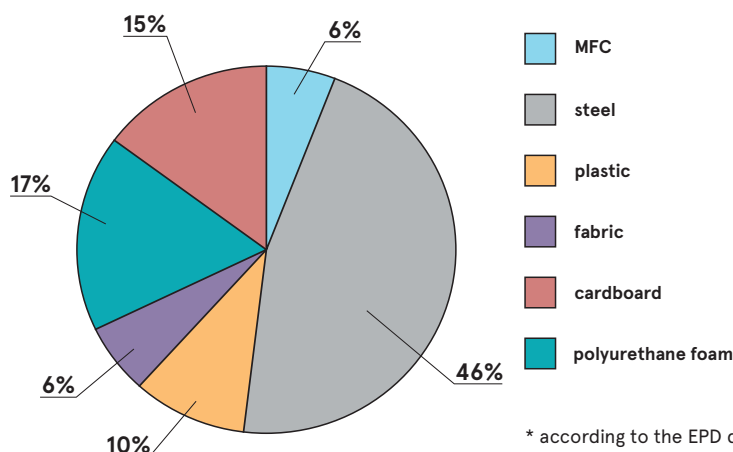
Packing:

foam wrap

Certificate - fabric:



Material composition *:



* according to the EPD document

Recyclability **

Recycling: 100% - Downcycling: 0%

Recycled content

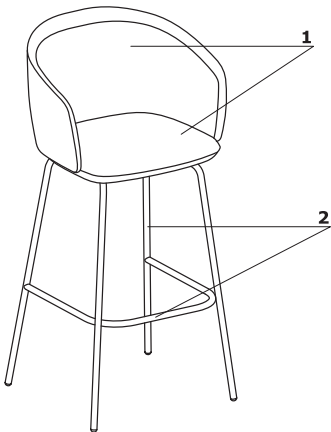
34%

Co2 carbon footprint

31,1 kg

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

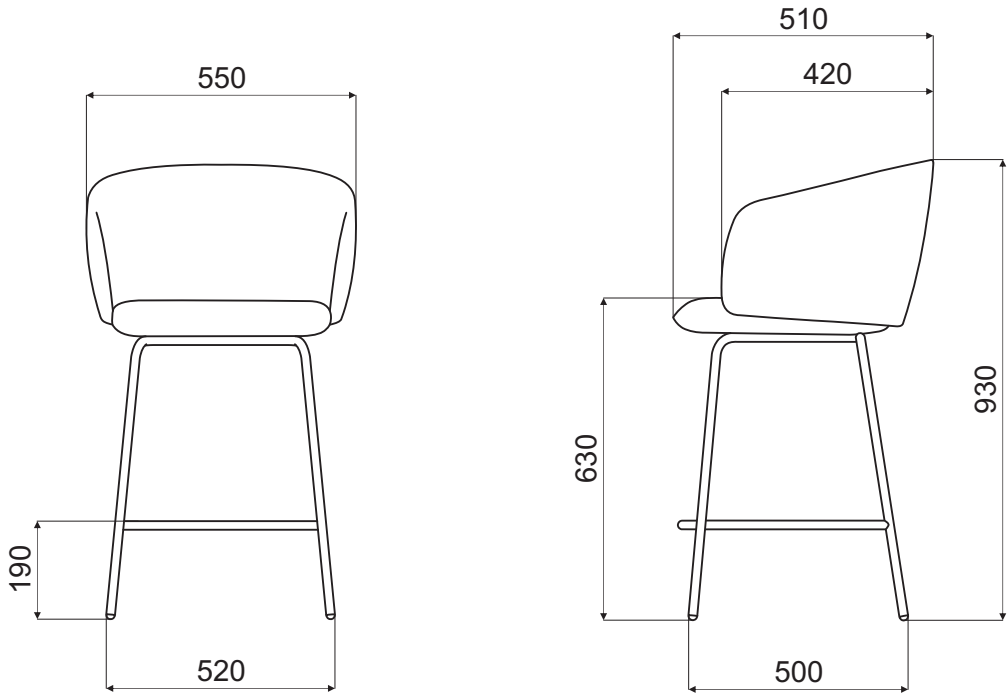
Grace - stool



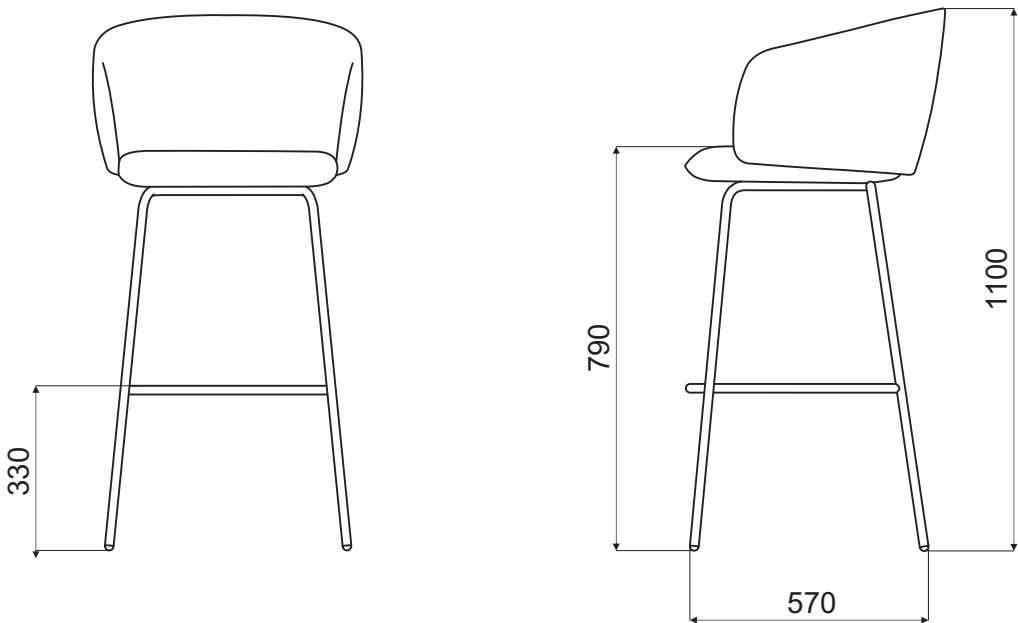
1. **Seat, backrest** - moulded foam (seat - density of 58 kg/m³, backrest - density of 60 kg/m³), upholstered
2. **Base:**
- 4 - legged, metal, powder coated
 - legs made of tube Ø18 mm
 - legs with glides

GRP7 - matching 900 mm high tables
GRP8 - matching 1100 mm high tables

Dimensions



GRP7



GRP8

Grace - stool *



GRP7
550 / 510 / 930
14.3 kg



GRP8
550 / 570 / 1100
14.9 kg

* dimensions expressed in millimeters: width x depth x height

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 Atlantic * – second price group



Technical data:

Material	polyester 100%
Fabric weight	530 g/lm (17.09 oz./lin.yd.)
Abrasion resistance rubs	BS EN ISO 12947-2, 110,000 Martindale cycles
Pilling resistance	scale 1-5, max. 5, EN ISO 12945-2 (4-5)
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)
Flammability	CA TB 117-2013 ASTM E 84 Class I BS EN 1021-2 (match) BS EN 1021-1 (cigarette)

Fabric Vita – second price group



Technical data:

Material	Surface: 98,5% PVC, 1,5% PU Substrate: 50% polyester, 50% Cotton
Fabric weight	850g/m2 ± 10% (1190G/lin. m ± 10%)
Abrasion resistance rubs	BS EN ISO 5470-2, 100,000 Martindale cycles
Colour fastness to light	6 (ISO 105 – B02)
Colour fastness to rubbing	wet: 4, dry: 4 (ISO 105 – X12)
Flammability	BS EN 1021 – (cigarette) BS EN 1021 – 2 (match) BS 5852 – (Ignition Source 5) BS 7176 – (Medium Hazard)
Flexes	BS EN ISO 7854 – Method B, 400.000 Flexing cycles
Anti-microbial / Anti-fungal	AATCC 147

* There is a possibility of ordering the product in full colour spectrum of Atlantic range, as per Gabriel's pattern book, within 8 weeks

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

Fabric Mica – second price group

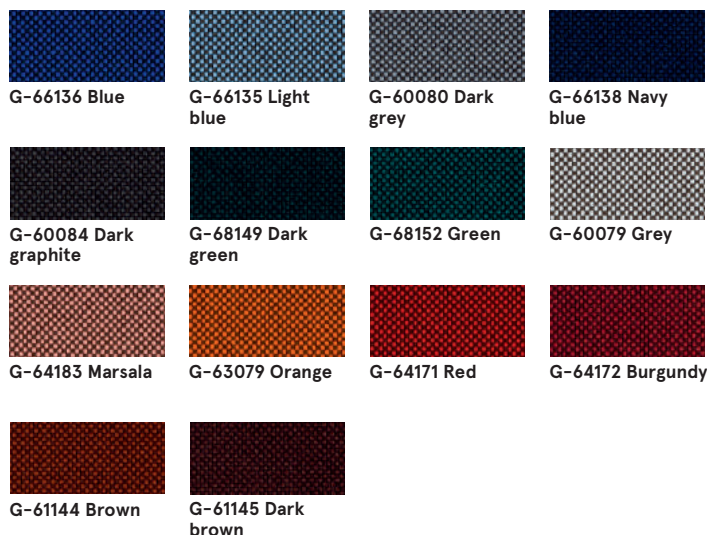


Technical data:

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

* 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 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 Synergy – third price group



Technical data:

Composition	95% Virgin Wool, 5% Polyamide
Fabric weight	400g/m2 (560g/lm)
Abrasion resistance rubs	100.000 Martindale cycles
Colour fastness to light	ISO 105 – B02 5
Colour fastness to rubbing	EN ISO 105x12 4-4 (dry/wet)
Flammability	EN 1021 – 1&2 (cigarette & match) BS 7176 Low Hazard NF D 60-013 ÖNORM B 3825 & A 3800-1 (58 kg/m3 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

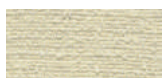
Fabric Silvertex – third price group

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.

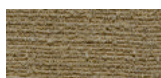
Technical data:

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+AI: 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

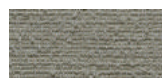
Fabric Tessa – third price group



T-08 Cream white



T-09 Beige



T-05 Grey



T-12 Dark brown



T-03 Dark grey

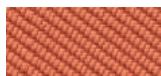
Technical data:

Material	95% polyester, 5% acrylic
Fabric weight	500g/m2
Abrasion resistance rubs	75,000 Martindale cycles (EN ISO 12497-2)
Pilling resistance	EN ISO 12945-2, 4-5
Light fastness	EN ISO 105-B02, 4
Rubbing fastness	dry: 4-5, wet: 4-5, EN ISO 105x12

Fabric Oceanic – third price group



O-16 Pink



O-05 Coral



O-12 Red



O-07 Yellow



O-04 Light green



O-15 Light blue



O-11 Blue



O-13 Light grey



O-08 Dark grey

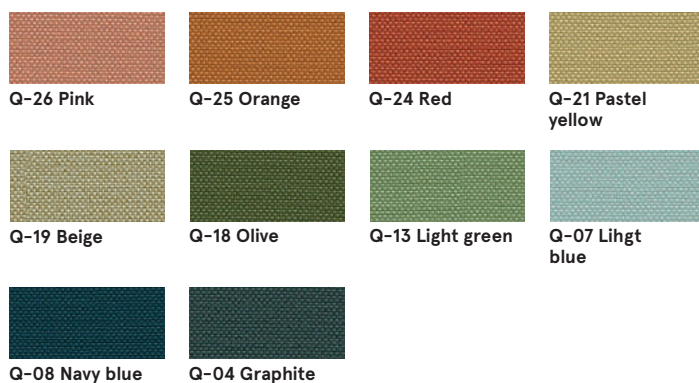


O-01 Black

Technical data:

Material	100% post-consumer recycled polyester
Fabric weight	497g/m2
Abrasion resistance rubs	100,000 Martindale cycles (EN ISO 12947-2)
Pilling resistance	EN ISO 12945-2, 5
Light fastness	EN ISO 105-B02, 5
Rubbing fastness	dry: 4, 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/m ²
Abrasion resistance rubs	100,000 Martindale cycles (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/m ²
Abrasion resistance rubs	100,000 Martindale cycles (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/m ² , 400g/lm
Abrasion resistance rubs	100,000 cycles 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

Leather – fourth price group



Technical data:

Material	Leather type - corrected grain leather Type of finishing - pigmented leather
Abrasion resistance rubs	Dry: 500 cycles - min. 4 grey scale Wet: 250 cycles - min. 4 grey scale UNI EN ISO 11640
Colour fastness to light	Light fastness: min. 4 grey scale, UNI ISO 105-802
Flammability	No ignition UNI EN 1021-1-2006 BS EN 1021-1-2006

Base



M010 Light grey
semi-matt RAL7044



M011 Dark grey
semi-matt RAL7042



M012 Dark green
semi-matt RAL6012



M013 Burgundy
semi-matt RAL3007



M014 Red
semi-matt RAL3016



M016 Pearl white
semi-matt RAL1013



M026 Olive semi-
matt RAL6013



M027 Blue semi-
matt RAL5003



M028 Brick red
semi-matt
RAL0404040



M029 Yellow semi-
matt RAL0807060



M030 Beige semi-
matt RAL0608005



M115 Black
semi-matt RAL9005



M154 Anthracite
semi-mat RAL7043