



Product Specification Sheet

BuzziHat EU

— By Alain Gilles

Say goodbye to noisy environments with BuzziHat

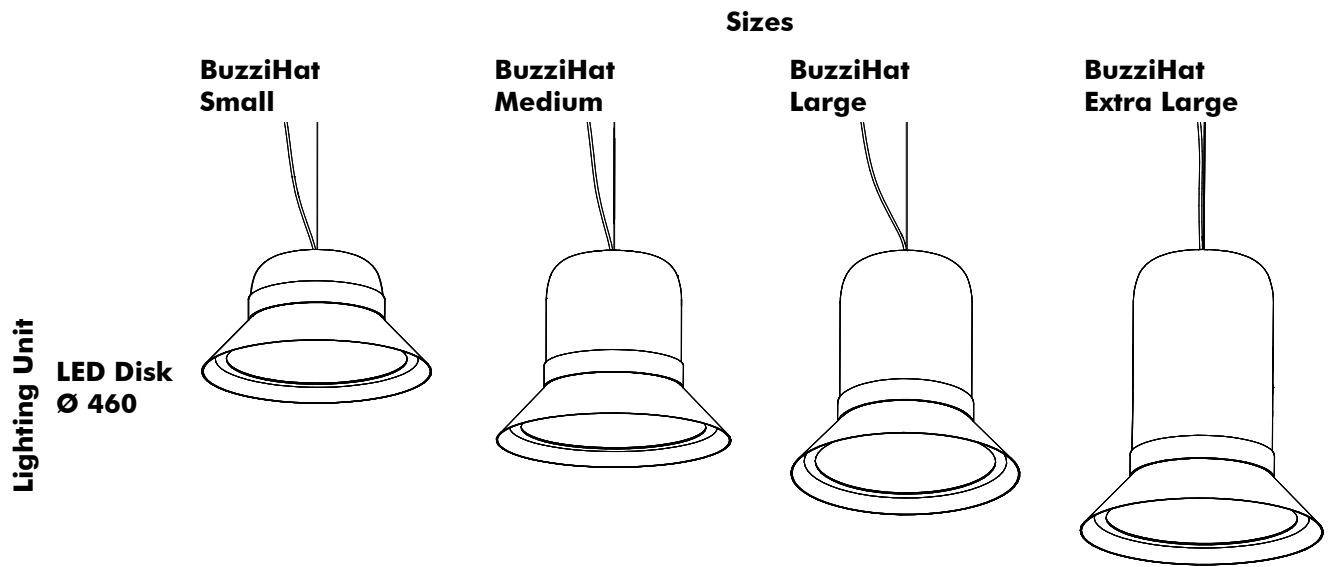
A decorative and highly recognizable hat-shaped pendant light with excellent sound absorption capabilities.

Its unique design, combining an upholstered part with a metal shade is bound to steal the attention in any space.

The upholstered foam body is available in a wide palette of color and fabric combinations, while the metal shade and ring come in 4 finishes (black, white, beige red and gold). Mix colors of your choosing and match the fabric of BuzziHat with the color of your furniture to create an impeccable setting. BuzziHat is available in different sizes to fit different sonic environments which makes it the ultimate acoustic lighting for any office, lobby or restaurant that needs acoustic absorption treatment combined with high-quality lighting.



The Family



Required order information

1. Size
2. Fabric (CAT -> Collection -> Color)
3. Color Metal Shade
4. Color Decorative Ring
5. Mounting Option

Lighting Data

Lighting Unit



The PMMA diffuser ensures an optimal light spread and efficiency. It creates a very diffuse light surface without any dottiness.

On Request: UGR 19

To achieve a UGR 19, the product is fitted with a Prismatic diffuser instead of a milky diffuser. LED dots will be visible.

Lighting specifications

BuzziHat Small

Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Metal Shade and Ring	Fabric Collection	Fabric Color	Mounting Option
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	20	Standard	Transparent	White	Black, White, Beige Red, Gold	Use color codes below	Use color codes below	1 cable of 2 m Alu or Black 1 cables of 5 m Alu or Black
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	19	On Request	Black					

BuzziHat Medium

Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Metal Shade and Ring	Fabric Collection	Fabric Color	Mounting Option
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	20	Standard	Transparent	White	Black, White, Beige Red, Gold	Use color codes below	Use color codes below	1 cable of 2 m Alu or Black 1 cables of 5 m Alu or Black
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	19	On Request	Black					

BuzziHat Large

Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Metal Shade and Ring	Fabric Collection	Fabric Color	Mounting Option
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	20	Standard	Transparent	White	Black, White, Beige Red, Gold	Use color codes below	Use color codes below	1 cable of 2 m Alu or Black 1 cables of 5 m Alu or Black
LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	19	On Request	Black					

BuzziHat Extra Large

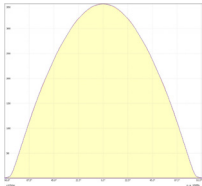
Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Metal Shade and Ring	Fabric Collection	Fabric Color	Mounting Option
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LED Disk Ø460	230V	19W	2000 Lm	105	80	1-10V	3000K	19	On Request	Black					

CE CB

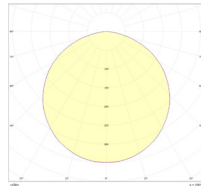
Photometric Data

BuzziHat LED Disk Ø 460

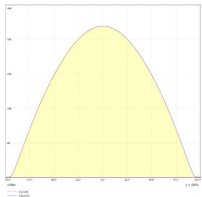
BuzziHat White Shade Cartesian Diagram



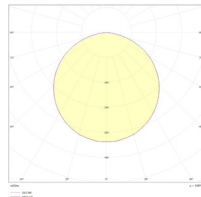
BuzziHat White Shade Polar curve



BuzziHat Black Shade Cartesian diagram



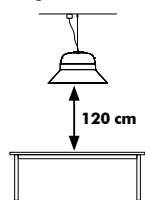
BuzziHat Black Shade Polar curve



Tips and Tricks - Light Options

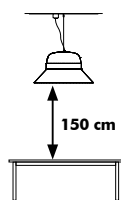
To enlight your workplace with optimal lux levels take following measurements into account:

Office,
Meeting room

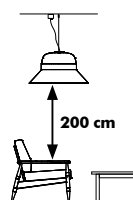


500 Lux

Reception desk, lounge, classroom

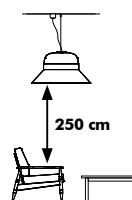


300 Lux



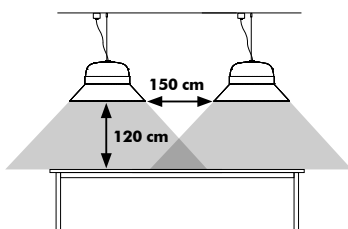
200 Lux

Entrance Hall

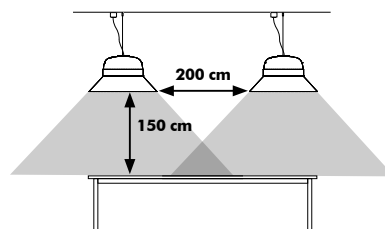


100 Lux

To ensure a continuous light spread into account take following distances inbetween the BuzziHats



500 Lux



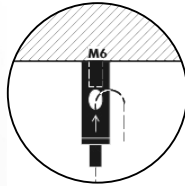
300 Lux

According to EN12464

Product Data

Fixing System

Fixing System BuzziHat



BuzziHat is suspended on 1 cable of 2 or 5 m black or alu colored cables, with fixing system screw.

▲ If installing on suspended ceiling, verify load capacity prior to installation.

Acoustic Body



The acoustic body is upholstered in a chosen fabric.



Absorption



Diffusion



Mid tone



High tone

Metal Shade and Ring



The powder coated metal shade and decorative ring are available in 4 colors:
Black (RAL 9005), White (RAL 9010),
Beige Red (RAL 3012) or Gold

Mix and Match

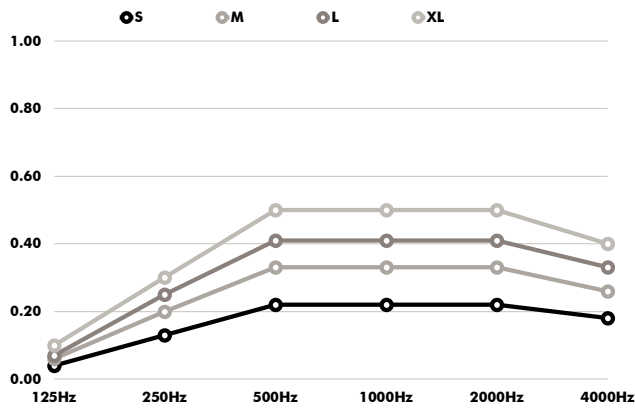


Customize your BuzziHat by mixing and matching the color of the ring, the shade and the upholstery fabric.

Acoustics

BuzziHat

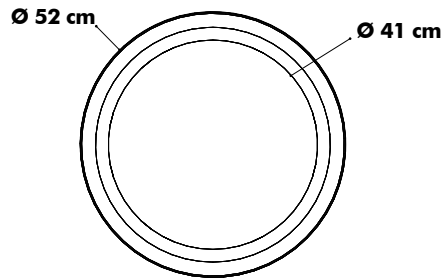
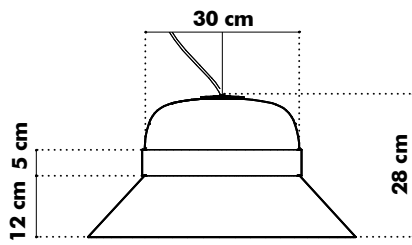
Equivalent sound absorption area in m² per object



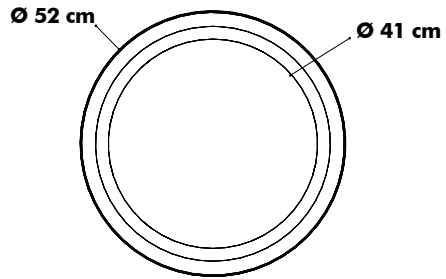
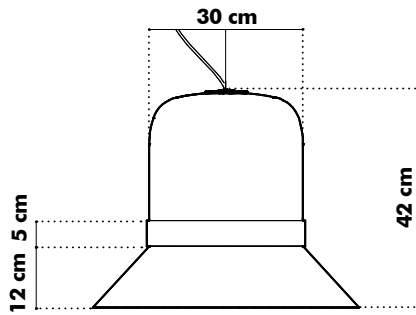
Hz	S Aeq/m ²	M Aeq/m ²	L Aeq/m ²	XL Aeq/m ²
125	0.04	0.06	0.07	0.10
250	0.13	0.20	0.25	0.30
500	0.22	0.33	0.41	0.50
1000	0.22	0.33	0.41	0.50
2000	0.22	0.33	0.41	0.50
4000	0.18	0.26	0.33	0.40

Dimensions

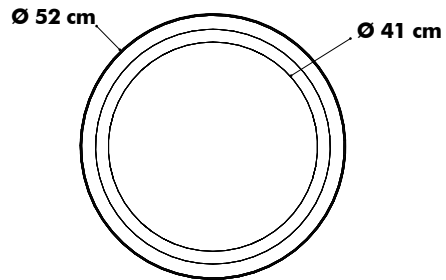
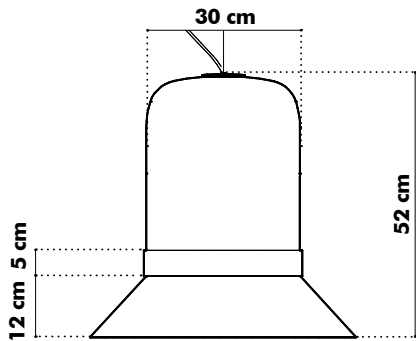
BuzziHat S



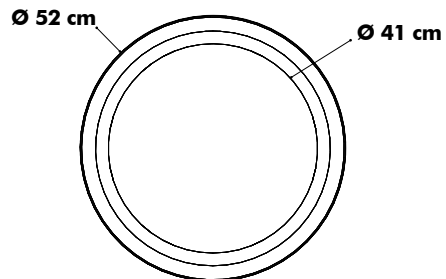
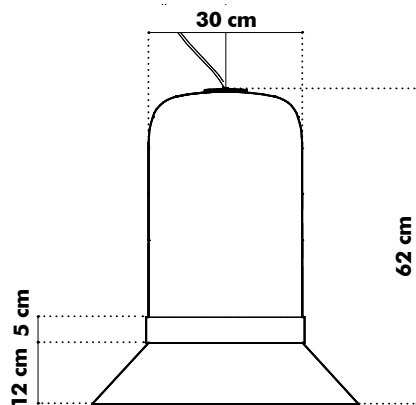
BuzziHat M



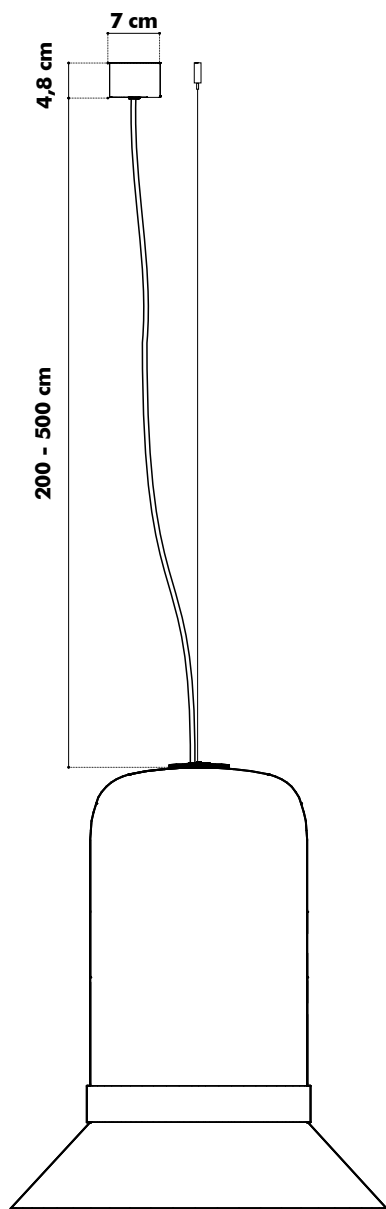
BuzziHat L



BuzziHat XL

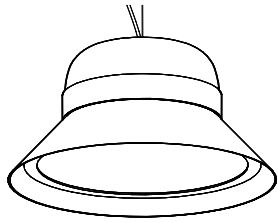



Suspension Set



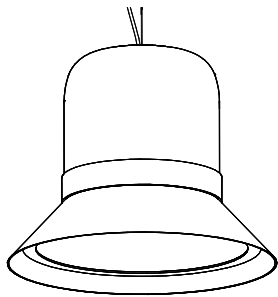
Weights


BuzziHat Small



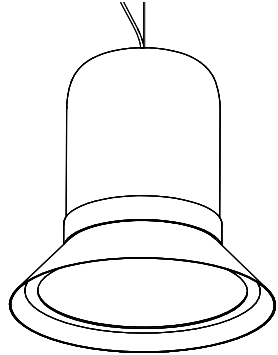
 6,5 kg


BuzziHat Medium



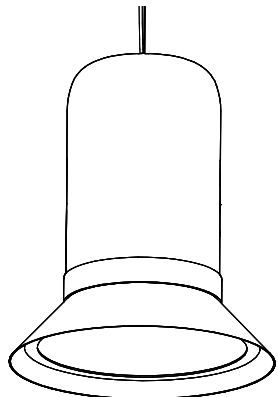
 7 kg


BuzziHat Large



 7,5 kg

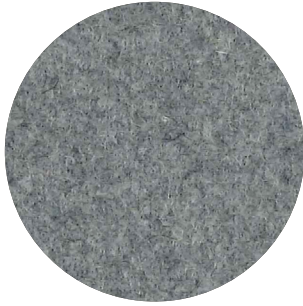
BuzziHat Extra Large



 8 kg

Fabrics

Fabric (45 colors)



Category A

Composition 70% Recycled Wool, 25% Recycled Polyacryl,
5% Recycled Other Fabrics

Weight 405 g/m² | 11.94 oz/yd²

Abrasion resistance 40.000 Martindale, 50,000 Wyzenbeek

Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).
EN 1021.2/2006 | BS EN 1021.2/2006 (match)
USA: CAL TB 117 | ASTM E84 CLASS A

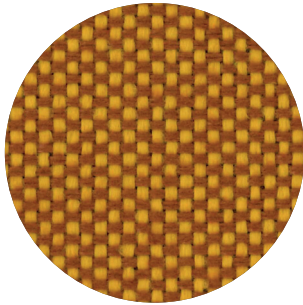
Fastness to light EU: 4 | USA 4

Fastness to rubbing EU: Wet 3-4 | Dry 4-5

Fastness to crocking USA: Wet 5 | Dry 5



Trevira CS (47 colors)



Category A

Weight 420 g/m² | 12.39 oz/yd²

Composition 100% Polyester, Trevira CS

Abrasion resistance 100.000 Martindale, 90,000 Wyzenbeek

Flammability BS 5852 part II: CRIB 5 | BS 7176 Medium Hazard
USA: CAL TB 117 | M1 | B1 | EN 1021/1-2 | C1 |
IMO Res. A652 (16)

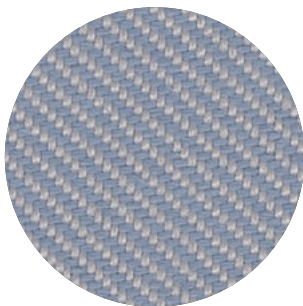
Fastness to light EU: 6 | USA 5

Fastness to rubbing EU: Wet 4-5 | Dry 4-5

Fastness to crocking USA: Wet 5 | Dry 5



Reflect (34 colors)



Category A

Weight 430 g/m² | 13.78 oz/yd²

Composition 100% Post-consumer recycled polyester

Abrasion resistance 100.000 Martindale

Flammability AS/NZS 3837 class 1 | ASTM E84 Class A Unadhered

ASTM E84 Class B Adhered | BS 5852 crib 5 with treatment

BS 5852 part 1 with treatment | EN 1021-1/2 | US Cal. Bull. 117-2013

Fastness to light Note 5-7, ISO 105-B02

Fastness to rubbing EU: Wet 5-5 | Dry 5-5

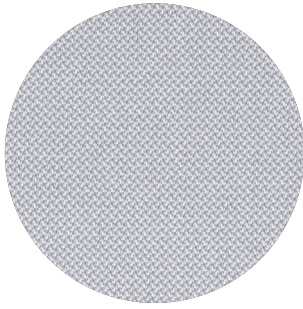
Pilling Note 4, EN ISO 12945



kvadrat

Revive 1 (25 colors)

kvadrat



Category A

Composition 100% recycled polyester FR

Weight 430 g/lin.m

Abrasion resistance 60.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1

UNI 9175 11M | US Cal. Tech. Bull. 117

IMO A.652 (16)

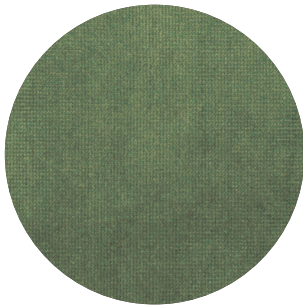
Fastness to light Note 5-7, ISO 105-B02

Fastness to rubbing (ISO) dry 5, wet 4-5

Pilling Note 4-5, EN ISO 12945



Velvet (12 colors)



Category B

Composition 100% PES

Weight 375 g/m² | 11.06 oz/yd²

Abrasion resistance > 100.000 Martindale

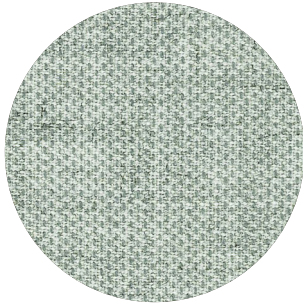
Fastness to light EU: 4-5

Fastness to rubbing EU: Wet 4 | Dry 4-5

Pilling EU: 4-5

Clara 2 (24 colors)

kvadrat



Category B

Composition 92% new wool, 8% nylon

Weight 400 g/lin.m

Abrasion resistance 80.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852, ignition source 2-3 | DIN 4102 B2

NF D 60 013 | UNI 9175 11M | US Cal. Tech. Bull. 117, Sec. E

NFPA 260 | IMO A.652(16)

Fastness to light Note 5-7, ISO 105-B02

Fastness to rubbing (ISO) dry 4-5, wet 4

Pilling Note 4, EN ISO 12945



Remix 3 (73 colors)

kvadrat



Category B

Composition 90% new wool, 10% nylon

Weight 415 g/lin.m

Abrasion resistance 100.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852 part 1

Önorm B1/Q1 | NF D 60 013 | UNI 9175, 11M

AS/NZS 1530.3 | Cal. Tech. Bull. 117-2013

NFPA 260 | IMO FTP Code 2010:Part 8

Fastness to light Note 5-7, ISO 105-B02

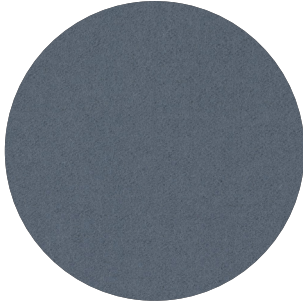
Fastness to rubbing (ISO) dry 4-5, wet 4

Pilling Note 4, EN ISO 12945



Hero 2 (33 colors)

kvadrat



Category C

Composition 97% new wool, 3% nylon

Weight 580 g/lin.m

Abrasion resistance 45.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | DIN 4102 B2 | NF D 60 013
UNI 9175 11M | US Cal. Bull. 117-2013 | NFPA 260
IMO A.652 (16)

Fastness to light Note 5-6, ISO 105-B02

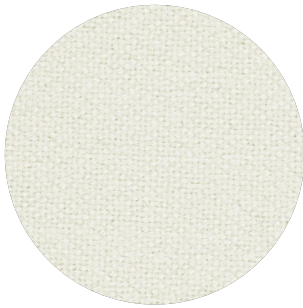
Fastness to rubbing (ISO) dry 4-5, wet 4-5

Pilling Note 3-4, EN ISO 12945



Tonus 4 (47 colors)

kvadrat



Category D

Composition 90% new wool, 10% Helanca

Weight 665 g/lin.m

Abrasion resistance 100.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852 part 1 | DIN 4102 B2
Önorm B1/Q1 | NF D 60 013 | UNI 9175 11M
US Cal. Bull. 117-2013 | NFPA 260 | IMO A.652 (16)

Fastness to light Note 5-7, ISO 105-B02

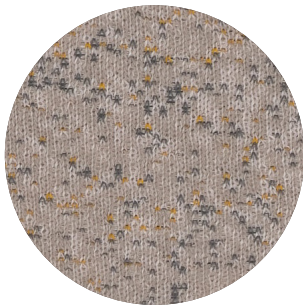
Fastness to rubbing (ISO) dry 3-5, wet 3-5

Pilling Note 3, EN ISO 12945



Arda (12 colors)

kvadrat



Category E

Composition 70% new wool 21% polyester 9% nylon

Weight 800 g/lin. m | 25.8 oz/ly

Abrasion resistance

Approx. 50.000 Martindale rubs, EN ISO 12947

Flammability ASTM E84 Class A Unadhered | AS/NZS 3837 class 2 | BS 5852 part 1
BS 5852 crib 5 | DIN 4102 B2 | EN 1021-1/2 | IMO FTP Code 2010 Part 8
UNI 9175 11M | US Cal. Bull. 117-2013

Fastness to light Note 5-8, ISO 105-B02

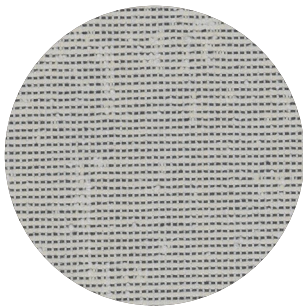
Fastness to rubbing Dry note 3-5 ISO 105-X12
Wet note 3-5 ISO 105-X12

Pilling Note 4, EN ISO 12945



Memory 2 (20 colors)

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Category E

Composition 100% Trevira CS

Weight 700 g/lin.m

Abrasion resistance

35.000 rubs acc. to the Martindale method, EN ISO 12947

Flammability EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1
NF D 60 013 | NF P 92 507 M1 | UNI 9175 11M
UNI 9177 classe 1 | US Cal. Tech. Bull. 117
IMO A.652 (16)

Fastness to light Note 5-8, ISO 105-B02

Fastness to rubbing (ISO) dry 4-5, wet 4-5

Pilling Note 4, EN ISO 12945

