High-quality polyester wovens

In this collection GOSS Outdoor offers a range of high-quality woven polyes-ter fabrics with outstanding properties.

Like the acrylic fabrics in the GOSS Outdoor collection, all these polyester fabrics are **solution-dyed** and are characterised by their **optimal UV** resistance and durability. The fibres are produced from purely syn-thetic elements without any organic components. They are also finished with a high-grade Teflon coating that impregnates them and renders them rot-resistant.

Polyester awning fabrics exhibit good winding characteristics. When the awning is extended and retracted, the fabric is rolled and wound repeatedly. Polyester fabrics have a low tendency to creas-ing in this process and display good elastic recovery.

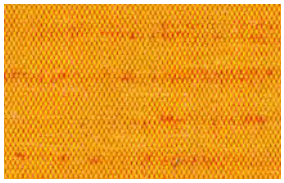
Recycled PET – an eco-friendly alternative

A recent advance is the introduction of polyester wovens manufac-tured using 85% recycled PET. This is a sensible and attractive way of utilising recycled PET bottles.

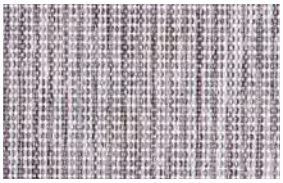
Recycled
+
Polyester

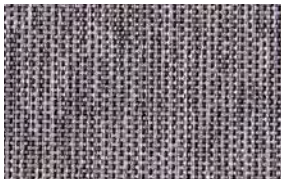
Recycled PET

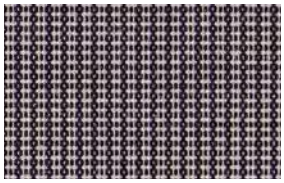

19260 UPF 50+


19258 UPF 50+


19262 UPF 50+

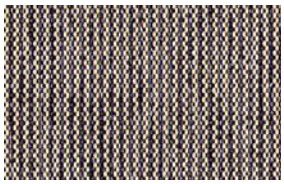

19266 UPF 50+


19265 UPF 50+


19263 UPF 50+


19264 UPF 50+


19267 UPF 50+


19269 UPF 50+


19268 UPF 50+

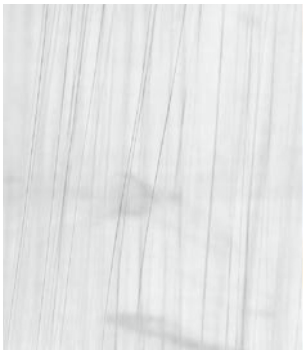

19259 UPF 50+


19261 UPF 50+

Illustrations approx. 100 %.

PET made from collected and reprocessed plastic bottles

Bottles are collected and pressed into space-saving bales. They are then sorted and cleaned at a recycling facility before being shredded into plastic flakes. During further processing, this raw material is melted and extruded. The fine plastic strands created are sliced into small plastic chips.

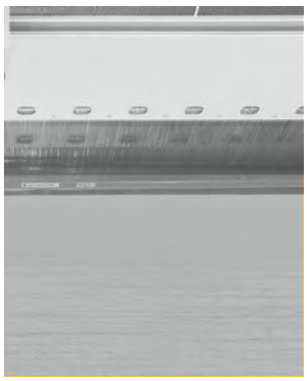


Solution dyeing for beautiful, lasting colour

Now the colour pigments are added as the plastic chips are melted, thereby em-bedding the colour directly in the fibres during production. Pressing the dyed melt through spinnerets creates fully dyed continuous fibres, which are combined to form elastic filaments.

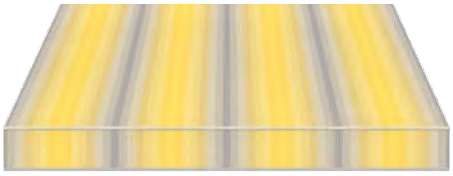
From fibre to awning fabric

Combining a large number of such filaments gives rise to what are known as mul-tifilament yarns with a structure resembling that of natural fibres. The yarns are then used to produce woven fabrics in a variety of patterns and with a suitable finish. At GOSS Outdoor in Ludwigslust, these are turned into high-quality awning fabrics to create durable and attractive sunshades.



19257

UPF 50+



19256

UPF 50+

19251

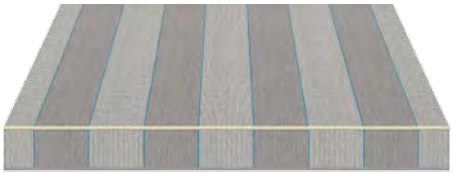
UPF 50+

19253

UPF 50+

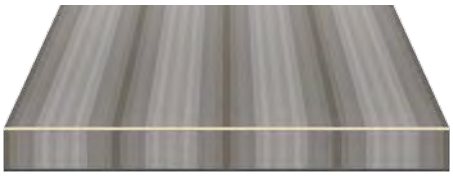
19252

UPF 50+



19255

UPF 50+



19254

UPF 50+

60 cm *[24"]*

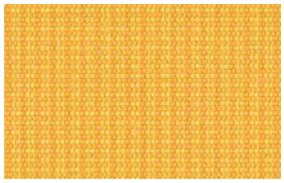
120 cm *[48"]*

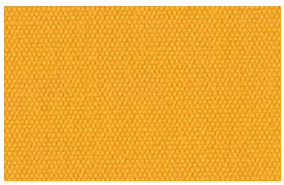
How 328 plastic bottles are turned into 21 m2 of fabric for your awning:
(e.g. 112 x 1.5-litre bottles + 216 x 0.5-litre bottles)

The polyester fabric **Tempotest Starlight blue** is manufactured using 85% recycled PET and certified as complying with the **Global Recycled Standard (GRS)**. Thanks to recycling tech-nology and solution dyeing, the material boasts an improved environmental footprint in respect of CO2 (emissions reduced by approx. 45%), energy (approx. 60% less energy used) and water (consumption reduced by approx. 90%).

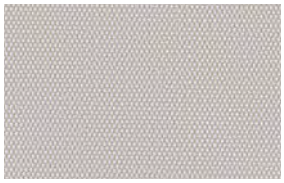
Colour differences may result from the printing process.

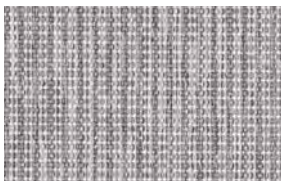
Polyester

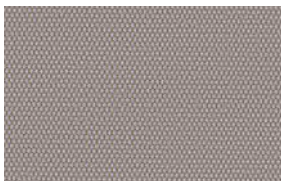

18076 UPF 50+

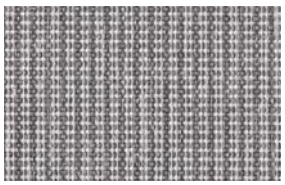

18027 UPF 50+

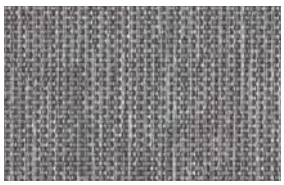

18030 UPF 50+

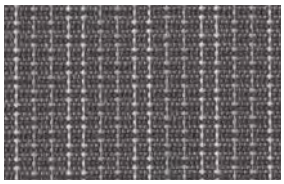

18018 UPF 50+

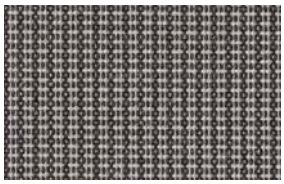

18082 UPF 50+


18019 UPF 50+


18081 UPF 50+


18095 UPF 50+

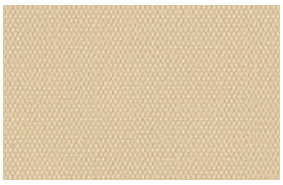

18091 UPF 50+


18080 UPF 50+


18021 UPF 50+

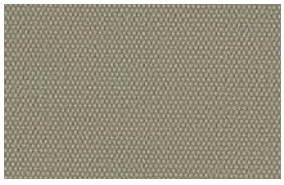
18010 UPF 50+


18011 UPF 50+


18012 UPF 50+

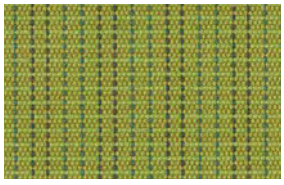

18013 UPF 50+

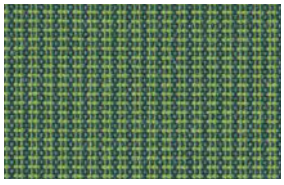

18083 UPF 50+


18015 UPF 50+

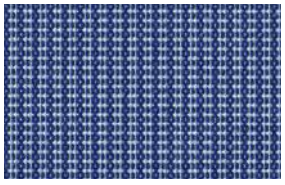

18032 UPF 50+


18033 UPF 50+


18079 UPF 50+


18078 UPF 50+


18025 UPF 50+

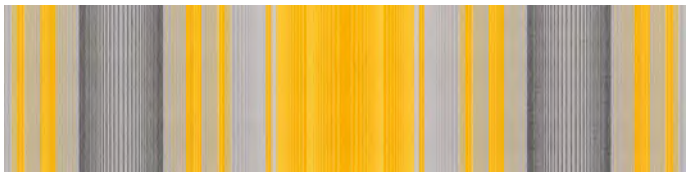

18093 UPF 50+


18022 UPF 50+

Illustrations approx. 100 %.

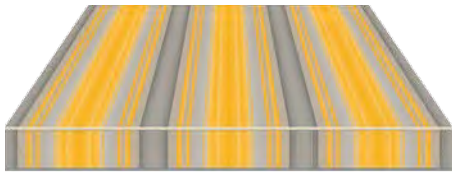
18052

UPF 50+



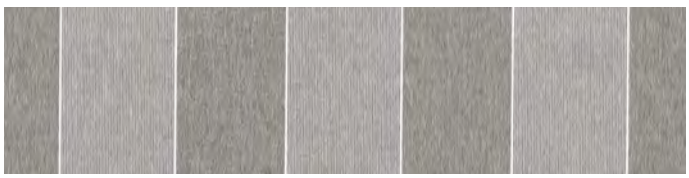
18049

UPF 50+



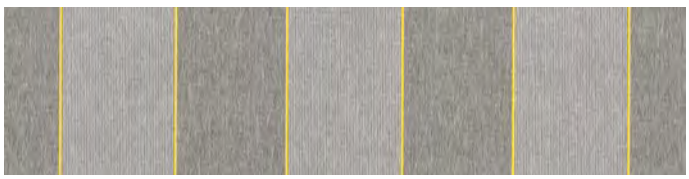
18063

UPF 50+



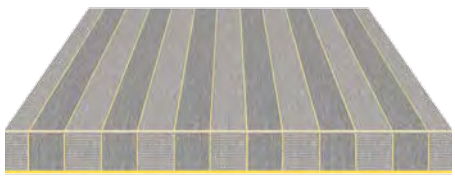
18102

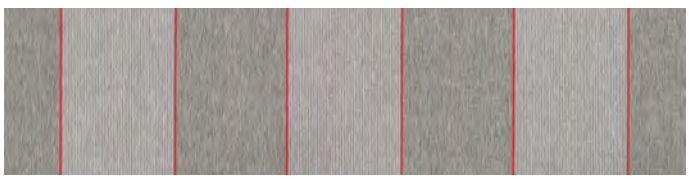
UPF 50+



18101

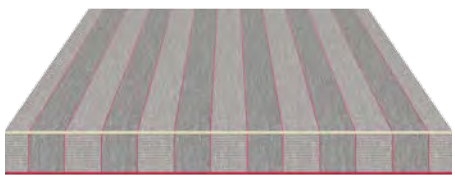
UPF 50+





18100

UPF 50+



18099

UPF 50+

18096

UPF 50+

18066

UPF 50+

60 cm *[24"]*

120 cm *[48"]*

Colour differences may result from the printing process.

Technical information

	Recycled	Polyester
	TEMPOTEST® STARLIGHT blue ITALIAN PERFORMANCE FABRICS	TEMPOTEST® STARLIGHT ITALIAN PERFORMANCE FABRICS
Material base	85 % Recycled PET + 15 % Polyester (PET)	100 % Polyester (PET)
	Solution dyed, designed for outdoor use	
Width	ca. 120 cm *(47")*	ca. 120 cm *(47")*
Weight	290 g/m², +/- 5%	290 g/m², +/- 5%
Breaking Load	***Warp* :** 2800 N; **Elongation :** 44,5% **Weft** : 1400 N; **Elongation :** 32,5% UNI EN ISO 13934-1	***Warp* :** 2800 N; **Elongation :** 45,0% **Weft** : 1400 N; **Elongation :** 33,0% UNI EN ISO 13934-1
Water column	≥ 380 mm / ≥ 14,9" – UNI-EN 20811 Spray Test 5 (100) – UNI-EN 24920	
Oil-repellent	Stufe 5 *(Degree 5)*) AATCC 118	
Fastness to light and weather conditions	7/8-8 degree blue scale – UNI EN ISO 105 B04 4-5/5 degree grey scale after 1000 hours of exposition – UNI EN ISO 105 B04	
Finishing	*soil-resistant, water- and oil-repellent, mould-resistant*	
Zertifizierung *(Certification)*	OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 21CX00053 CENTROCOT Tested for harmful substances. www.oeko-tex.com/standard100	OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 971521.O CENTROCOT Tested for harmful substances. www.oeko-tex.com/standard100
	Global Recycled Standard (GRS)	

Light properties

Recycled

No.	Colour	Material	UPF	TS	RS	AS	TV	g tot ⁶
19251		Recycled	50+	15	37	48	16	0,14
19252		Recycled	50+	15	36	49	16	0,14
19253		Recycled	50+	15	37	48	16	0,14
19254		Recycled	50+	10	39	51	8	0,11
19255		Recycled	50+	6	27	67	5	0,10
19256		Recycled	50+	21	48	31	13	0,16
19257		Recycled	50+	16	45	39	15	0,14
19258		Recycled	50+	19	48	33	8	0,16
19259		Recycled	50+	6	26	68	0	0,10
19260		Recycled	50+	23	53	24	22	0,17
19261		Recycled	50+	13	37	50	5	0,13
19262		Recycled	50+	18	48	34	17	0,15
19263		Recycled	50+	2	16	82	1	0,09
19264		Recycled	50+	0	9	91	0	0,02
19265		Recycled	50+	4	26	70	3	0,09
19266		Recycled	50+	11	40	49	10	0,12
19267		Recycled	50+	9	37	55	5	0,11
19268		Recycled	50+	18	42	40	3	0,16
19269		Recycled	50+	3	24	73	2	0,09

UPF UV- protection factor

TS Solar Transmission in %

RS Solar Reflection %

AS Solar Absorption %

TV [n-h]
Normal-hemispherical visible light transmission %

External solar factor, Type "C" glazing: *insulating, double glazing*

Light properties

Polyester

No.	Colour	Material	UPF	TS	RS	AS	TV	g tot e
18010		Polyester	50+	28	61	11	31	0,20
18011		Polyester	50+	24	60	16	24	0,18
18012		Polyester	50+	23	56	21	19	0,17
18013		Polyester	50+	17	50	33	9	0,14
18015		Polyester	50+	11	39	50	3	0,12
18018		Polyester	50+	16	50	34	14	0,13
18019		Polyester	50+	6	33	61	3	0,09
18021		Polyester	50+	0	11	89	0	0,08
18022		Polyester	50+	6	22	72	0	0,10
18025		Polyester	50+	1	13	86	0	0,08
18027		Polyester	50+	20	48	32	11	0,16
18030		Polyester	50+	19	46	35	6	0,16
18032		Polyester	50+	15	40	46	0	0,14
18033		Polyester	50+	3	19	78	0	0,09
18049		Polyester	50+	14	41	45	9	0,13
18052		Polyester	50+	21	49	30	13	0,16
18063		Polyester	50+	12	42	46	10	0,12
18066		Polyester	50+	17	45	38	12	0,14
18076		Polyester	50+	25	46	29	19	0,19
18078		Polyester	50+	7	20	73	3	0,11
18079		Polyester	50+	13	38	49	6	0,13
18080		Polyester	50+	2	16	82	2	0,09
18081		Polyester	50+	7	31	62	7	0,10
18082		Polyester	50+	11	40	49	10	0,12
18083		Polyester	50+	9	36	55	5	0,11
18091		Polyester	50+	3	17	80	3	0,09
18093		Polyester	50+	12	31	57	4	0,13
18095		Polyester	50+	4	25	71	3	0,09
18096		Polyester	50+	18	48	34	15	0,15
18099		Polyester	50+	13	32	55	13	0,13
18100		Polyester	50+	15	36	49	16	0,14
18101		Polyester	50+	15	37	48	16	0,14
18102		Polyester	50+	17	45	38	12	0,14

UPF UV- protection factor

TS Solar Transmission in %

RS Solar Reflection %

AS Solar Absorption %

TV (n-h)
Normal-hemispherical visible light transmission %

External solar factor, Type "C" glazing: *insulating, double glazing*

UV sun protection

Radiation reaching the Earth's surface is an invisible part of sunlight: Although UVA rays do not cause any alarming damage to the skin and are re-sponsible for tanning, UVB rays lead to sunburn and are a cause of skin cancer. To prevent irreparable damage to the skin, good screening and preventive pre-cautions are required.

The filtering capacity of awning fabrics depends on their weight, thickness and colour. The protection factor of our awning fabrics is indicated by the UPF value (Ultraviolet Protection Factor) that is recognised internationally for sun protec-tive textiles (as calculated in conformity with AS/NZS 4399:1996). All our awning fabrics offer UV protection of at least 90 %.

Example:
The UPF value 30 means that 29/30 rays are blocked out or absorbed and only 1/30 of the UV radiation penetrates the fabric. The fabric thus offers a protection level of 97 %.

Please note that the UPF values are only an ap-proximation. Like the light values given in the tables, they are only used to calculate energy savings and to evaluate glare.

The values were determined in laboratory conditions and for monochrome fabric. It must be taken into account, therefore, that for high-contrast striped patterns only a compos-ite value can be specified and when using the fabric e.g. for folding arm awnings, diffuse and reflected ambient light reduces the light and sun protection.

UPF-Value

The UPF value indicates how much UV solar radiation is absorbed by the fabric (UVA und UVB):

UPF 15 - 24
good UV protection
(93,3 % - 95,9 % Absorption)

UPF 25 - 39
very good UV protection
(96,0 % - 97,4 % Absorption)

UPF 40 - 50, 50+
excellent UV protection
(> 97,5 % Absorption)

Acrylic | Recycled polyester | Polyester

Solution-dyed fabric from GOSS Outdoor

GOSS Outdoor acrylic and polyester fabrics are solution-dyed to ensure that the vibrant or delicate colours of your awning fabric retain their brilliance for many years to come.

Beautiful, lasting colour thanks to solution dyeing

In solution dyeing, the colour pigments are introduced into the individual fibres during the production process. The coloured fibres are then spun to form a fully dyed yarn. Awning fab-rics made from such yarns remain **colour-fast over a long period** and retain their bright colours. GOSS Outdoor uses only solution-dyed acrylic and polyester fabrics. This attribute is comparable to a **carrot** – the colour permeates throughout!

No yarn- or piece-dyed fabrics at GOSS Outdoor!

In yarn dyeing or bale dyeing, colour pigments only permeate the outermost layer of the ma-terial or even adhere only to the surface – like a **radish** on which only the skin exhibits intense colouring but the flesh underneath is white. As a result, the colour fades more quickly or rubs off mechanically.

Carrot instead of radish!

GOSSOUTDOOR
shading systems

Certified quality

Acrylic or polyester wovens in the Lewens collection are manufactured exclusively from Oeko-Tex-certified materials.

The Oeko-Tex certificate guarantees that our water-repellent acrylic and polyester awning fabrics are non-toxic. The laboratory tests on which it is based confirm that no unpleasant odours, carcinogenic or volatile substances or pesticides are detectable in the fabrics.

The awning fabrics satisfy the requirements set out in section 15.2, „Fabric", of the UNI EN 13561:2009 standard.

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
21CX00053 CENTROCOT
Tested for harmful substances.
www.oeko-tex.com/standard100

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STANDARD 100
CQ 638/8 IFTH
Tested for harmful substances.
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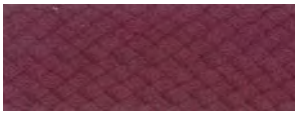
CONFIDENCE IN TEXTILES
STANDARD 100
971521.0 CENTROCOT
Tested for harmful substances.
www.oeko-tex.com/standard100

German Oeko-Tex certification institute *of the International Association for Research and Testing in the Field of Textile Ecology*

Edge binding

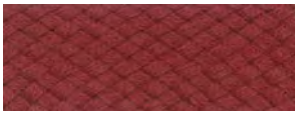
E15

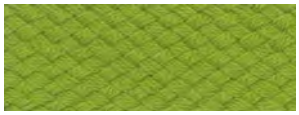

E73


E12


E10


E15/1


E84


E16


E87


E52


E11


E6


E75

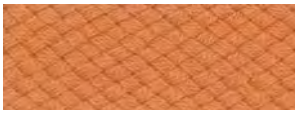

E14


E25


E62


E79


E106


E54


E5


E94


E929


E58


E7


E727


E926


E55


E71


E97


E57


E72


E77


E81


E930


E56

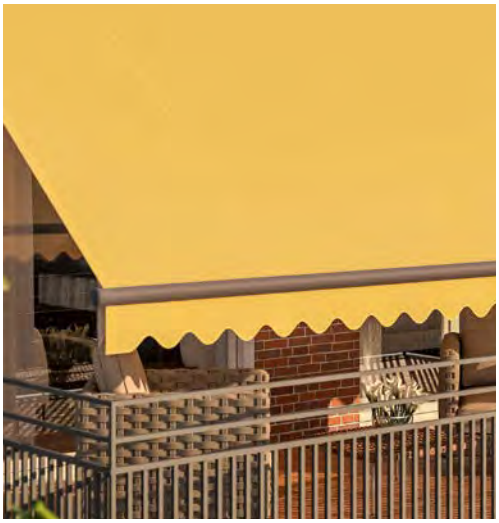

E13


E24

Illustrations approx. 100 %. Colour differences may result from the printing process.

Valances

On folding arm awnings, pattern-matched valances and edge bind-ings in complementary colours can be used to create colour and de-sign accents to suit the style of your home, balcony or patio.



Our careful workmanship is reflected in the details: the awning and valance are fashioned from a single piece of fabric, guarantee-ing pattern uniformity. The **shape of the valance** is also matched precisely to the pattern repeat on the awning, while the fabric is aligned so that the repeat is symmetrical on both the left and right side.

Valance style 1

Valance style 2

Valance style 3

Valance style 4

Notes for costumers

GOSS Outdoor uses the latest techniques for assembling and finishing awning fabrics. Despite the application of state-of-the-art methods and the utmost care in production, however, creases and folds can never be completely ruled out. The quality of your awning will not be diminished in any way by this.

Quality features and workmanship

Despite all due care being taken in production, finishing and assembly, winding creases (the so-called wrinkle effect, Figs. 1 and 2) and folding creases (which appear as dark stripes when viewed against the light, Fig. 3) are technically unavoidable. Further information about this can be found in the brochure „Guidelines for the Assessment of Ready-Made Awning Fabrics" published by the Industrial Association of Technical Textiles - Roller Shutters - Sun Protection e.V. (ITRS). This describes some of the features of winding and folding creases. These do not constitute any grounds for a complaint. Such visual defects affect neither the technical properties of our awning fabrics nor the service life of the awning fabric.

We recommend retraction of the awning in a dry state.

Winding creases close to a seam

Winding creases in the centre of the awning fabric

Folding creases

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GOSS Outdoor is a shading systems brand owned by Senol & Senol Ltd.

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