

Screen fabric

Colour Chart

Der SonnenLichtManager



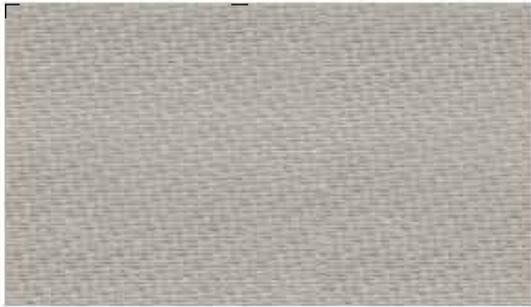
Screen fabric



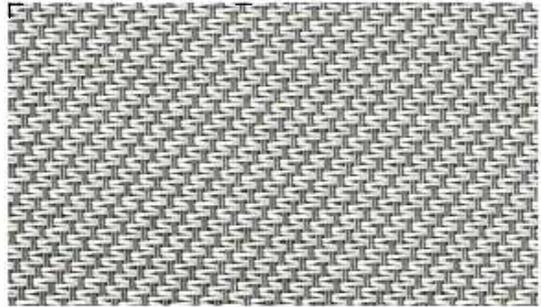
3511



3521*



3519



3503*



3517



3531*



3532



3535*



3542



3543



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* For two-tone designs, please note which colour is on the outside.



3534*



3520



3502*



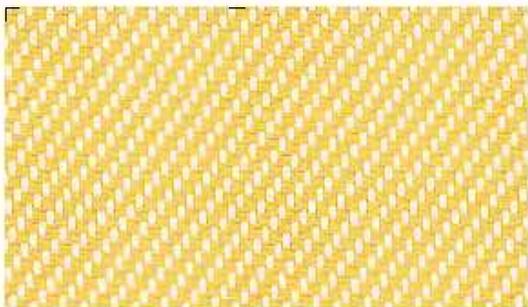
3504*



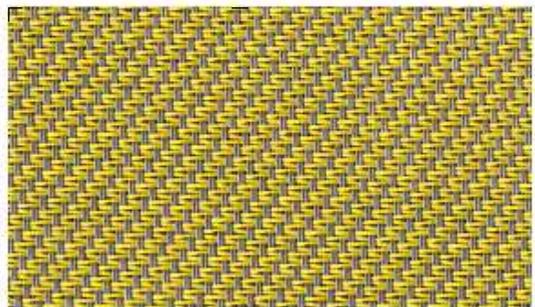
3528



3518



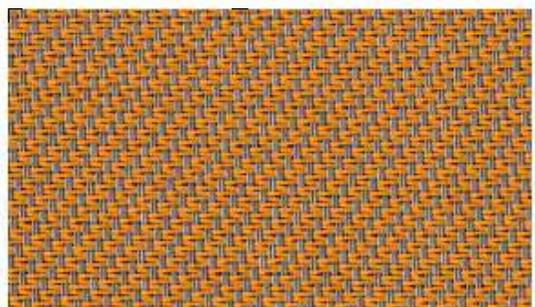
3501*



3506*

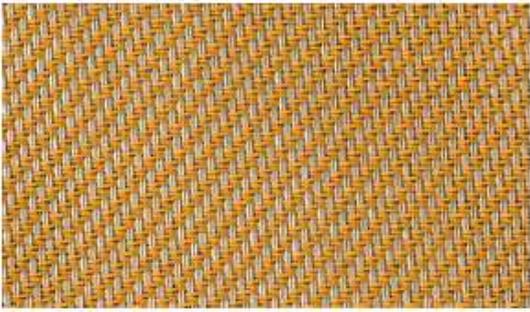


3537*

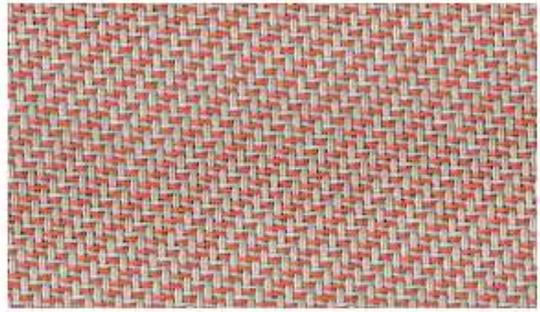


3505*





3536*



3538*



3527*



3507*



3540*



3541*



3539*



3529*



Screen fabric

- PVC-coated glass fibre
- flame retardant in accordance with DIN 4102-B1
- 4 or 5 % openness factor

Web width 285/320 cm, fabric weight approx. 525-535 g/m²

When ordering two-tone designs, please state which colour you would like to have on the outside of your sun shading system. If no details are specified, we will supply the defined standard.

Thermal and visual fabric properties in accordance with DIN EN 14501

Protection against overheating

Use for window awnings

The ability of the external fabric to prevent heat build-up in the room. Heat protection glass ($U_g = 1.2 \text{ W}/(\text{m}^2\text{K})$; $g = 59\%$) is used for classification; the value g_{tot} is calculated in accordance with DIN EN 13 363-1/ DIN EN ISO 52022-1.

Picto	Description
	Not relevant for external fabrics.
	Not relevant for external fabrics.
	The sun shading system effectively prevents heat build-up in the room.
	The sun shading system very effectively prevents heat build-up in the room.
	The sun shading system maximally prevents heat build-up in the room.

Glare control

The ability of the fabric to reduce solar radiation on the workspace and prevent direct view of the sun in accordance with DIN EN 14501:2021.

Picto	Description
	Not suitable for glare control.
	Glare control is limited and only suitable for a few applications.
	For average requirements, glare control is provided in many situations if the direction of view is parallel to the facade. The glare control system is only suitable for larger windows with workplaces near the windows, if requirements are low.
	For average requirements, glare control is provided in most situations if the direction of view is parallel to the facade. For smaller window openings, workplaces that are further away from the facade and lower glare control requirements, fabrics in this class are even suitable when facing the facade.
	Full glare control is provided in most situations. Recommended for very high requirements, for large windows and workplaces facing the facade.

Visual privacy

The capacity of the fabric to prevent a person inside the room from being seen from the outside under normal night-time lighting conditions.

Picto	Description
	Visual privacy is not guaranteed. People are clearly discernible.
	Low level of visual privacy. People are still discernible.
	Visual privacy is guaranteed, but shadows can always be seen and people can be discerned under unfavourable lighting conditions.
	Visual privacy is minimally limited. Shadows can only be discerned at a short distance from the fabric, e.g. people inside the room at a distance of <1m.
	Complete visual privacy.

View out

The capacity of the fabric to allow a view out when extended.

Picto	Description
	There is no view out.
	The view out is extremely limited. Silhouettes can be discerned.
	The view out is limited. Silhouettes are easy to see.
	The view out is minimally limited, e.g. people can be seen at a 10 m distance.
	The view out is almost unobstructed.

Terms and definitions

Light reflectance R_v = the percentage of the light reaching the awning (wavelength range from 380 nm to 780 nm) that is reflected.

Light transmittance T_v = the percentage of the light reaching the awning that passes through (how bright is it underneath the awning).

Light absorption coefficient A_v = the percentage of the light reaching the awning that is absorbed.

Solar reflectance R_e = the percentage of the total radiation reaching the awning (UV + light + infrared, wavelength range from 300 nm to 2500 nm) that is reflected.

Solar transmittance T_e = the percentage of the total radiation reaching the awning that passes through.

Solar absorptance coefficient A_e = the percentage of the total radiation reaching the awning that is absorbed and transformed into heat.

Colour rendering index R_a = the authenticity of the colour rendering. The higher the colour rendering index R_a , the more authentically colours are rendered. The value can be a maximum of 100.

Screen fabric

Design no.	External colour (for two-tone designs)*	Price range	Visual privacy	Protection against overheating	Glare control (DIN EN 14501:2021)	View out	Light reflectance R _v in %	Light transmittance T _v in %	Light absorption coefficient A _v in %	Solar reflectance R _s in %	Solar transmittance T _s in %	Solar absorbance coefficient A _s in %	Colour rendering Index R _a	Page
3501	Yellow ¹	2	2	3	0	1	65	18	17	57	19	24	71	3
3501	White	2	2	3	0	1	68	18	14	61	19	20	71	3
3502	White ¹	2	2	3	0	1	54	13	33	51	16	33	81	3
3502	Sand	2	2	3	0	1	48	13	39	46	16	38	81	3
3503	White ¹	2	2	3	1	2	42	7	51	40	10	50	96	2
3503	Grey	2	2	3	1	2	31	7	62	31	10	59	96	2
3504	Sand ¹	2	2	3	1	2	28	7	65	29	9	62	91	3
3504	Grey	2	2	3	1	2	23	7	70	25	9	66	91	3
3505	Orange ¹	2	1	3	0	3	26	7	67	31	11	58	82	3
3505	Grey	2	1	3	0	3	22	7	71	26	11	63	82	3
3506	Yellow ¹	2	2	3	1	2	36	7	57	33	10	57	84	3
3506	Grey	2	2	3	1	2	27	7	66	28	10	62	84	3
3507	Marine ¹	2	2	3	3	2	21	4	75	31	7	62	98	4
3507	Pearl	2	2	3	3	2	31	4	65	35	7	58	98	4
3511	White	2	2	2	0	0	73	21	6	65	21	14	95	2
3517	Grey	2	2	4	1	2	16	4	80	15	4	81	100	2
3518	Brown	2	2	3	1	2	8	4	88	8	4	88	99	3
3519	Pearl	2	2	3	0	1	40	13	47	37	14	49	91	2
3520	Linen	2	1	3	0	2	55	13	32	52	15	33	85	3
3521	Pearl ¹	2	2	3	0	1	55	16	29	50	17	33	93	2
3521	White	2	2	3	0	1	62	16	22	55	17	28	93	2
3527	Burgundy ¹	2	2	3	1	1	25	8	67	26	10	64	88	4
3527	Linen	2	2	3	1	1	36	8	56	35	10	55	88	4
3528	Sandstone	2	1	3	0	3	20	7	73	20	7	73	99	3
3529	Moss green ¹	2	2	3	1	1	23	8	69	21	8	71	95	4
3529	Linen	2	2	3	1	1	35	8	57	32	8	60	95	4
3531	Black ¹	2	2	3	1	2	11	5	84	12	6	82	98	2
3531	Grey	2	2	3	1	2	14	5	81	15	6	79	98	2
3532	Black	2	2	3	1	2	6	4	90	6	4	90	100	2
3534	White ¹	2	2	3	0	1	63	14	23	58	15	27	87	3
3534	Linen	2	2	3	0	1	61	14	25	56	15	29	87	3
3535	Brown ¹	2	1	3	0	3	6	6	88	9	6	85	100	2
3535	Black	2	1	3	0	3	6	6	88	7	6	87	100	2
3536	Yellow ¹	2	1	3	0	3	30	7	63	34	9	57	88	4
3536	Grey	2	1	3	0	3	29	7	64	31	9	60	88	4
3537	Orange ¹	2	1	3	0	2	37	11	52	38	13	49	83	3
3537	Grey	2	1	3	0	2	38	11	51	37	13	50	83	3
3538	Red ¹	2	1	3	0	2	33	11	56	36	13	51	80	4
3538	Grey	2	1	3	0	2	35	11	54	36	13	51	80	4
3539	Green ¹	2	1	3	0	3	24	7	69	22	7	71	98	4
3539	Linen	2	1	3	0	3	26	7	67	25	7	68	98	4
3540	Blue ¹	2	1	3	0	3	17	7	76	17	8	75	100	4
3540	Grey	2	1	3	0	3	17	7	76	17	8	75	100	4
3541	Blue ¹	2	2	3	1	2	6	5	89	6	5	89	100	4
3541	Black	2	2	3	1	2	6	5	89	6	5	89	100	4
3542	Grey	2	2	3	1	1	42	10	48	37	11	52	97	2
3543	Anthracite	2	2	3	1	2	8	4	88	7	4	89	100	2

Manufacturer's data according to DIN EN 14501 and DIN EN 410

The photometric data is recorded by reputable institutes and considered to be standard values. Tolerances in the measurement procedure and batch-related variations from the samples can lead to deviations in the determined values, for which we cannot assume liability. The values were determined at the time that the documents were produced. More recent measurements may therefore deviate from the values included here.

No responsibility is taken for the accuracy of this information. Slight colour deviations may occur. Processing (e.g. longitudinal/transverse and visible seam) according to valid technical data.

* For two-tone designs, please note which colour is on the outside.

¹ If the external colour is not specified during ordering, we supply the marked colour on the outside.