

Screen fabric

Colour chart

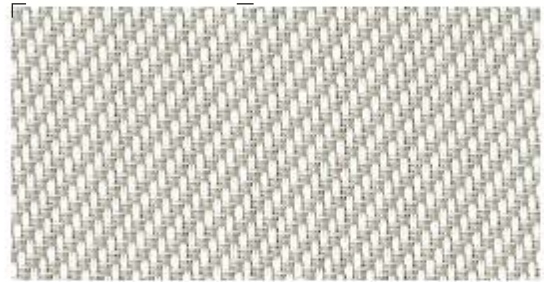
Der SonnenLichtManager



Screen fabric



3511



3521*



3519



3503*



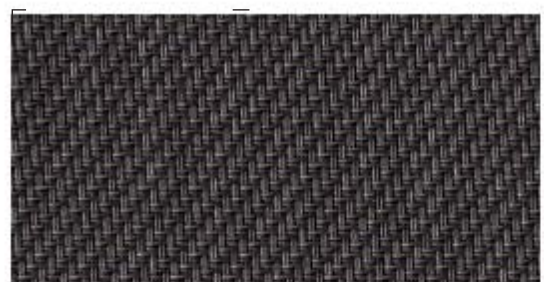
3517



3531*



3532



3535*



3542



3543



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



3534*



3520



3502*



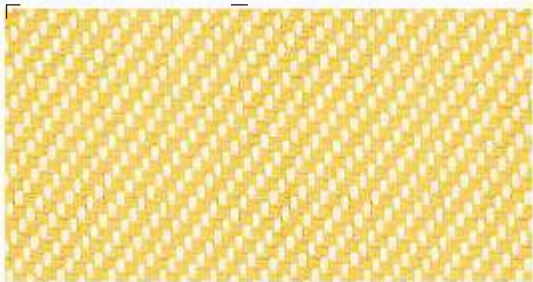
3504*



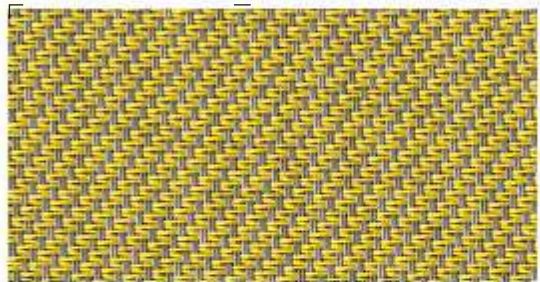
3528



3518



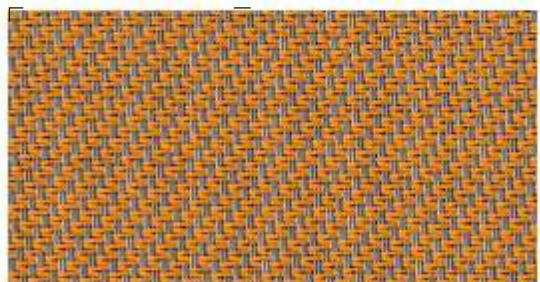
3501*



3506*



3537*

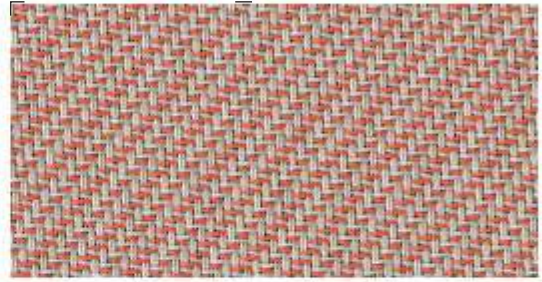


3505*





3536*



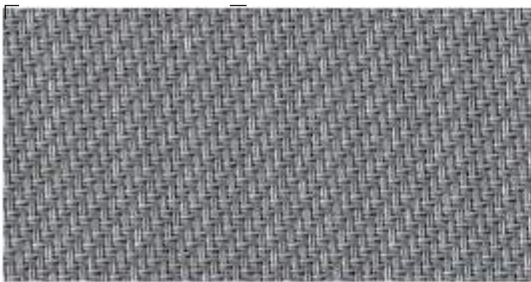
3538*



3527*



3507*



3540*



3541*



3539*



3529*



Screen fabric

- PVC-coated glass fibre
- flame-resistant according to DIN 4102-B1

Fabric width 250 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

Summer thermal protection

Use for window awnings

The capacity of the external fabric to prevent heat build-up in the room. Thermal 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.

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 capacity of the fabric to reduce solar radiation on the workspace and prevent direct view of the sun.

Picto	Description	Remarks on facade side
	No glare control.	
	Glare control is very limited and only suitable for few applications. e.g. north facade, when glare from opposite facades is impossible.	Suitable for north side; east, south and west side not suitable for computer workstations
	Glare control is almost always ensured and only insufficient for few applications, e.g. computer workstations directly facing the window.	Suitable for east, south, west facade
	Glare control is virtually always ensured and only insufficient for few applications, e.g. computer workstations directly facing the window and CAD applications.	Suitable for east, south, west facade
	Full glare control independent of outside conditions such as workstation orientation, e.g. black-out qualities. Please note that no view out is possible.	Suitable for east, south, west 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
	No visual privacy is ensured. People are clearly discernible.
	Only little visual privacy is ensured. People are still discernible.
	Visual privacy is ensured, 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 < 1 m.
	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 nearly unobstructed.

Terms and definitions

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

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

Light absorption coefficient α_v = the percentage of the light reaching the awning which is absorbed.

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

Solar transmittance τ_e = the percentage of the total radiation reaching the awning which passes through.

Solar absorptance α_e = the percentage of the total radiation reaching the awning which is absorbed and transformed into heat.

Colour rendering index R_a = how great the authenticity of the colour rendering is. 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	View out	Summer Thermal protection	Glare control	Visual privacy	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Solar reflectance in %	Solar transmittance in %	Solar absorptance in %	Colour rendering index	Page
3501	Yellow ¹	2	1	3	1	2	65	18	17	57	19	24	71	3
3501	White	2	1	3	1	2	68	18	14	61	19	20	71	3
3502	White ¹	2	1	3	1	2	54	13	33	51	16	33	81	3
3502	Sand	2	1	3	1	2	48	13	39	46	16	38	81	3
3503	White ¹	2	2	3	2	2	42	7	51	40	10	50	96	2
3503	Grey	2	2	3	2	2	31	7	62	31	10	59	96	2
3504	Sand ¹	2	2	3	2	2	28	7	65	29	9	62	91	3
3504	Grey	2	2	3	2	2	23	7	70	25	9	66	91	3
3505	Orange ¹	2	3	3	1	1	26	7	67	31	11	58	82	3
3505	Grey	2	3	3	1	1	22	7	71	26	11	63	82	3
3506	Yellow ¹	2	2	3	2	2	36	7	57	33	10	57	84	3
3506	Grey	2	2	3	2	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	0	1	1	2	73	21	6	65	21	14	95	2
3517	Grey	2	2	4	3	2	16	4	80	15	4	81	100	2
3518	Brown	2	2	3	3	2	8	4	88	8	4	88	99	3
3519	Pearl	2	1	3	1	2	40	13	47	37	14	49	91	2
3520	Linen	2	2	3	0	1	55	13	32	52	15	33	85	3
3521	Pearl ¹	2	1	3	1	2	55	16	29	50	17	33	93	2
3521	White	2	1	3	1	2	62	16	22	55	17	28	93	2
3527	Burgundy ¹	2	1	3	1	2	25	8	67	26	10	64	88	4
3527	Linen	2	1	3	1	2	36	8	56	35	10	55	88	4
3528	Sandstone	2	3	3	1	1	20	7	73	20	7	73	99	3
3529	Moss green ¹	2	1	3	1	2	23	8	69	21	8	71	95	4
3529	Linen	2	1	3	1	2	35	8	57	32	8	60	95	4
3531	Black ¹	2	2	3	3	2	11	5	84	12	6	82	98	2
3531	Grey	2	2	3	3	2	14	5	81	15	6	79	98	2
3532	Black	2	2	3	3	2	6	4	90	6	4	90	100	2
3534	White ¹	2	1	3	1	2	63	14	23	58	15	27	87	3
3534	Linen	2	1	3	1	2	61	14	25	56	15	29	87	3
3535	Brown ¹	2	3	3	1	1	6	6	88	9	6	85	100	2
3535	Black	2	3	3	1	1	6	6	88	7	6	87	100	2
3536	Yellow ¹	2	3	3	1	1	30	7	63	34	9	57	88	4
3536	Grey	2	3	3	1	1	29	7	64	31	9	60	88	4
3537	Orange ¹	2	2	3	0	1	37	11	52	38	13	49	83	3
3537	Grey	2	2	3	0	1	38	11	51	37	13	50	83	3
3538	Red ¹	2	2	3	0	1	33	11	56	36	13	51	80	4
3538	Grey	2	2	3	0	1	35	11	54	36	13	51	80	4
3539	Green ¹	2	3	3	1	1	24	7	69	22	7	71	98	4
3539	Linen	2	3	3	1	1	26	7	67	25	7	68	98	4
3540	Blue ¹	2	3	3	1	1	17	7	76	17	8	75	100	4
3540	Grey	2	3	3	1	1	17	7	76	17	8	75	100	4
3541	Blue ¹	2	2	3	3	2	6	5	89	6	5	89	100	4
3541	Black	2	2	3	3	2	6	5	89	6	5	89	100	4
3542	Grey	2	1	3	1	2	42	10	48	37	11	52	97	2
3543	Anthracite	2	2	3	3	2	8	4	88	7	4	89	100	2

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

The photometric data are recorded by reputable institutes and are 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.

No responsibility is taken for the accuracy of this information. Small colour deviations may occur!

* 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.