Screen:
– 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 units.

Thermal and visual fabric properties (according to DIN EN 14501)

Protection against summer heat

Used for window awnings
The property of the external fabric preventing heat build-up in the room.
Thermal insulation glass (U = 1.2 W/m²K; g = 59 %) is used for classification, the value g_{total} is calculated according to DIN EN 13 363-1.

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

Glare control

Property of the fabric allowing reduction of solar radiation on the workspace and prevention of direct view of the sun.

Picto	Description	Notes 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 extreme 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 versions. Please note that there is no vision to the outside.	Suitable for east, south, west facade

Small colour deviations may occur!

Visual privacy

The property of the fabric preventing a person inside the room to be discerned from the outside under normal night time lighting conditions.

Picto	Description
	Visual privacy is not ensured, people can be clearly recognised.
	Only little visual privacy is ensured. People can still be discerned.
	Visual privacy is ensured, but shadows can always be seen and people can be seen under unfavourable lighting conditions.
	Visual privacy is minimally limited. Shadows can only be discerned at a short distance to the fabric (e.g. people inside the room at a distance of <1 m).
	Complete visual privacy.

View out

Property of the fabric allowing view out when extended.

Picto	Description
	View out is not possible.
	View out is extremely limited, Outlines can be discerned.
	View out is limited, outlines can be discerned easily.
	View out is minimally limited, e.g. people can be discerned at 10 m distance.
	View out is almost completely possible.

Solar radiation

Light reflectance ρ = Which percentage of the light reaching the awning is reflected.

Light transmittance τ = Which percentage of the light reaching the awning passes through.

Light absorption coefficient α = Which percentage of the light reaching the awning is absorbed.

Radiation reflectance ρ_e = Which percentage of the total radiation reaching the awning (UV + light + infrared) is reflected.

Solar transmittance τ_e = Which percentage of the total radiation reaching the awning (UV + light + infrared) passes through.

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

Values for transmission, reflection and absorption according to DIN EN 410 as in manufacturer's data.
The printed data are reference values and individual verification is still required!

Screen fabrics

Screen-Stoffe

Farbkarte

Colour chart

Gültig ab 01. Dezember 2012
Dokumenten Nr. 341104.12.2012
Art.-Nr.: 875541

Valid from 01 December 2012
Document no. 341104.12.2012en
Art. no.: 875542

Screen fabrics

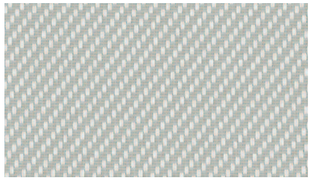
Design no.	*External colour (for two-tone designs)	Price category	View out	Protection against summer heat	Glare control	Visual privacy	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Radiation reflectance in %	Solar transmittance in %	Solar absorptance in %	Page
3501	yellow	2	2	2	0	1	61	19	20	58	22	20	3
3501	white	2	2	2	0	1	66	19	15	61	22	17	3
3502	white	2	1	3	1	2	56	10	34	54	14	32	3
3502	sand	2	1	3	1	2	49	10	41	49	14	37	3
3503	white	2	3	3	1	1	42	9	49	40	11	49	2
3503	grey	2	3	3	1	1	30	9	61	31	11	58	2
3504	sand	2	2	3	2	2	29	6	65	31	8	61	2
3504	grey	2	2	3	2	2	24	6	70	27	8	65	2
3505	orange	2	3	3	1	1	24	7	69	32	11	57	4
3505	grey	2	3	3	1	1	21	7	72	27	11	62	4
3506	yellow	2	2	3	2	2	33	8	59	33	11	56	3
3506	grey	2	2	3	2	2	26	8	66	28	11	61	3
3507	pearl	2	2	3	3	2	21	4	75	31	7	62	4
3507	navy	2	2	4	2	2	31	4	65	35	7	58	4
3511		2	1	2	0	1	73	23	4	66	23	11	2
3514		2	0	2	1	2	56	20	24	50	21	29	3
3515		2	1	3	1	2	38	9	53	49	16	35	4
3517		2	2	4	3	2	16	4	80	15	4	81	2
3518		2	2	3	3	2	8	4	88	8	4	88	3
3519		2	1	3	1	2	39	12	49	36	14	50	2
3520		2	2	3	0	1	55	13	32	52	15	33	3
3521	pearl	2	1	3	1	2	53	11	36	50	13	37	2
3521	white	2	1	3	1	2	62	11	27	57	13	30	2
3524	mandarin	2	2	3	2	2	17	7	76	29	12	59	4
3524	grey	2	2	3	2	2	17	7	76	24	12	64	4
3525	turquoise	2	2	3	2	2	24	6	70	29	9	62	4
3525	grey	2	2	3	2	2	21	6	73	25	9	66	4
3527	burgundy	2	1	3	1	2	25	8	67	26	10	64	3
3527	linen	2	1	3	1	2	36	8	56	35	10	55	3
3528		2	3	3	1	1	20	7	73	20	7	73	3
3529	Moss green	2	1	3	1	2	23	8	69	21	8	71	4
3529	linen	2	1	3	1	2	35	8	57	32	8	60	4
3530	fir	2	2	3	0	1	27	9	64	29	12	59	4
3530	pearl	2	2	3	0	1	32	9	59	34	12	54	4
3531	black	2	3	3	1	1	11	7	82	12	7	81	2
3531	grey	2	3	3	1	1	14	7	79	16	7	77	2
3532		2	3	3	1	1	6	7	87	6	7	87	2
3533		2	3	2	1	1	7	7	86	27	16	57	4

Manufacturer's data according to DIN EN 14501.
No responsibility is taken for the accuracy of this information.

* Please note which colour is outside for two-tone designs!

Screen-Stoffe
Farbkarte

3511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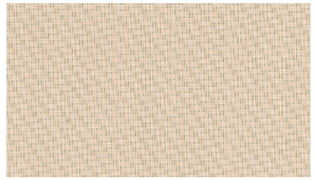
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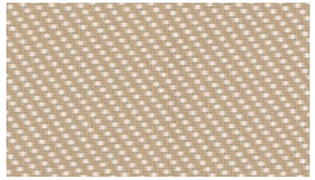
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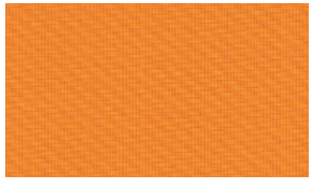
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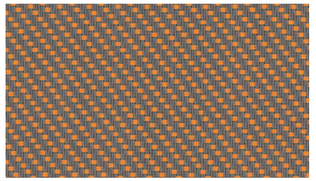
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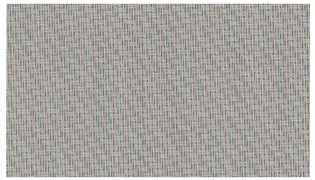
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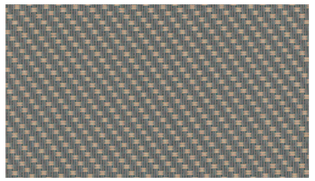
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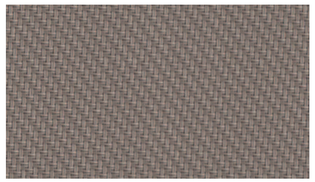
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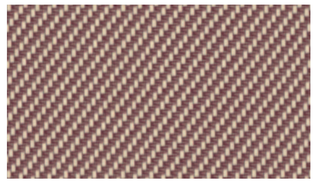
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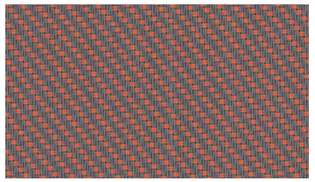
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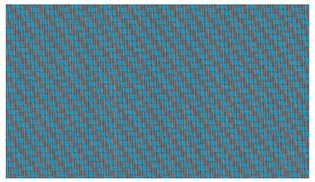
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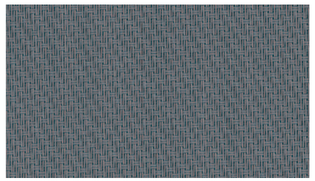
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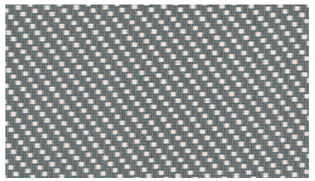
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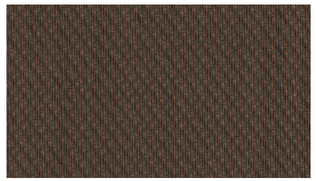
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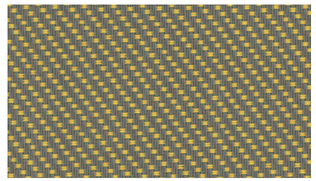
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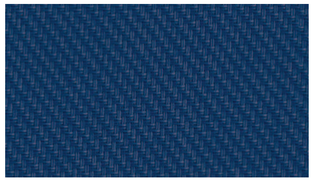
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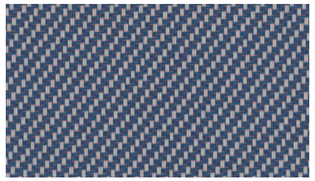
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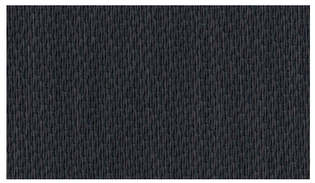
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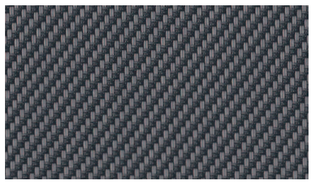
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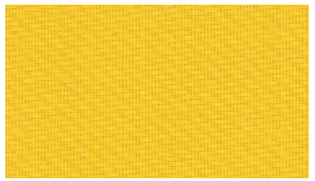
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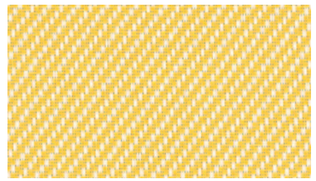
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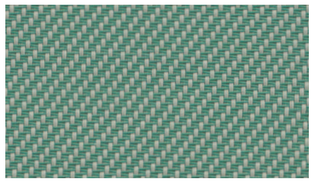
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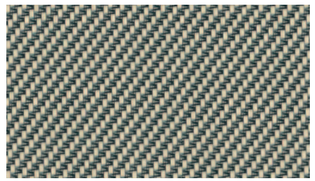
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