

Screen fabric (openness factors)

Colour chart

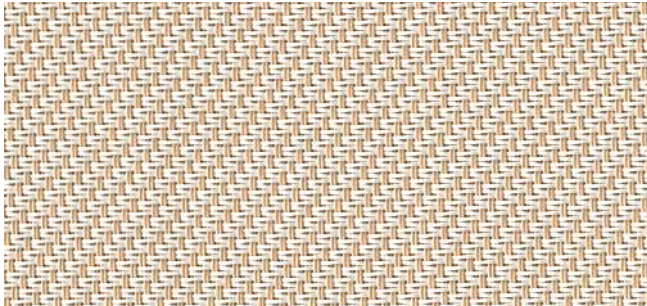


Valid from 2023-04-01

Screen fabric
4 % openness factor



3511



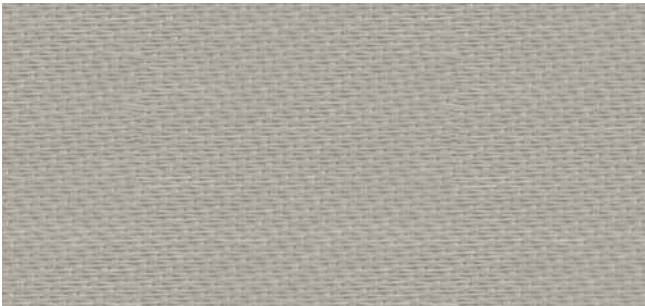
3502*



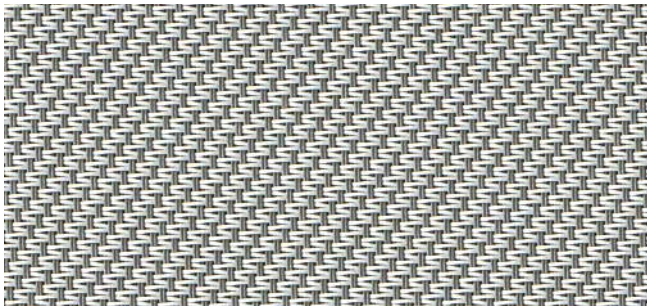
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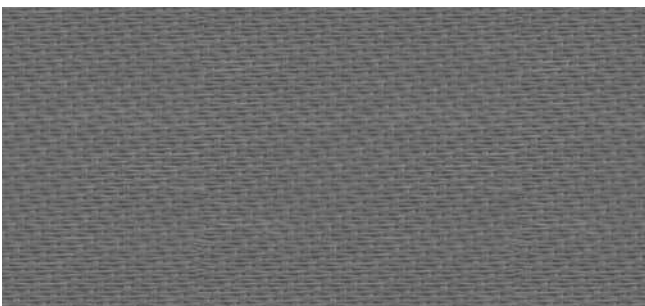
3521*



3519



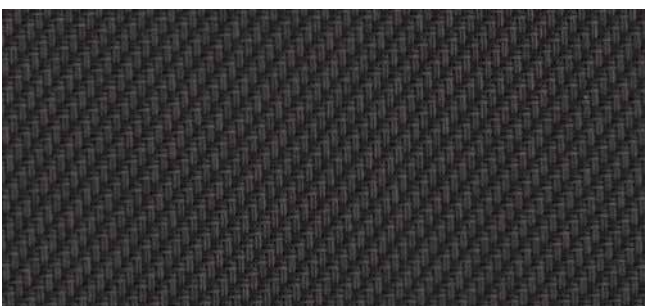
3503*



3517



3531*



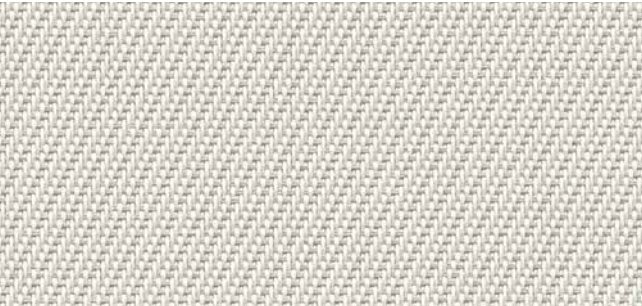
3532



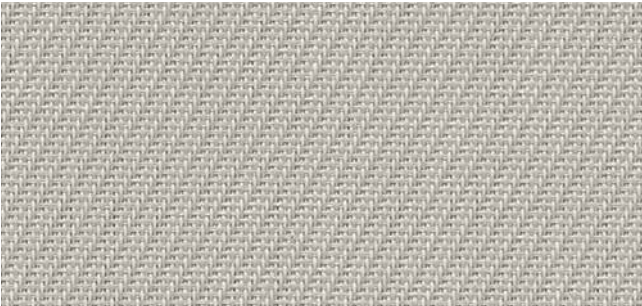
* For two-tone designs, please note which colour is on the outside.

Screen fabric

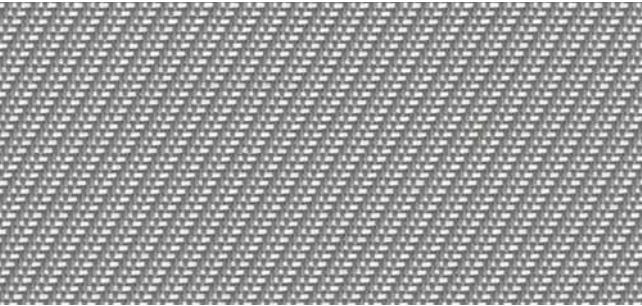
1 % openness factor



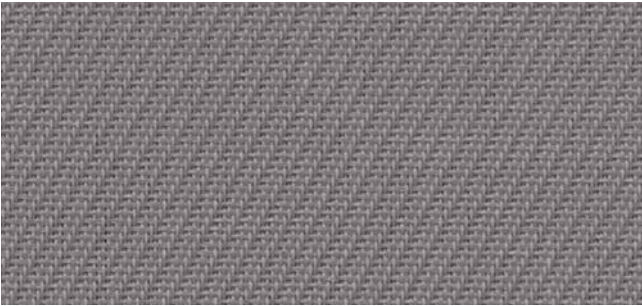
3121**



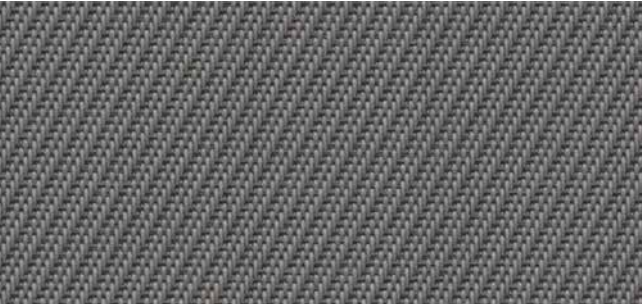
3119



3103*



3117



3131*

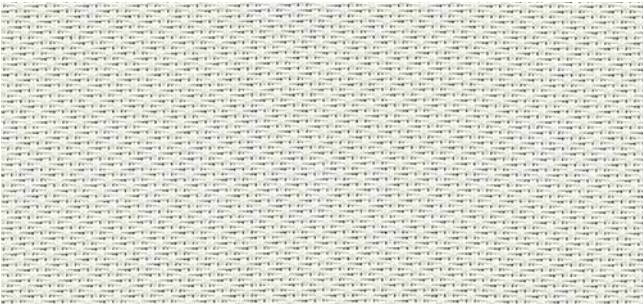


3132

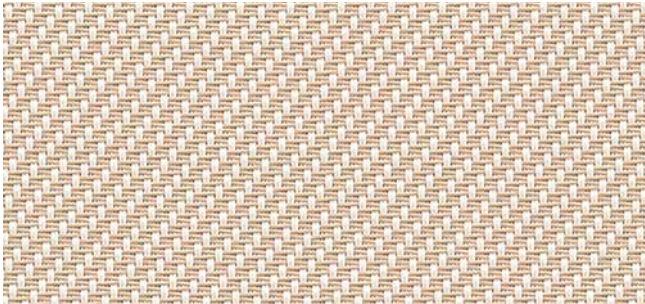


* For two-tone designs, please note which colour is on the outside.

Screen fabric
0 % openness factor



3011



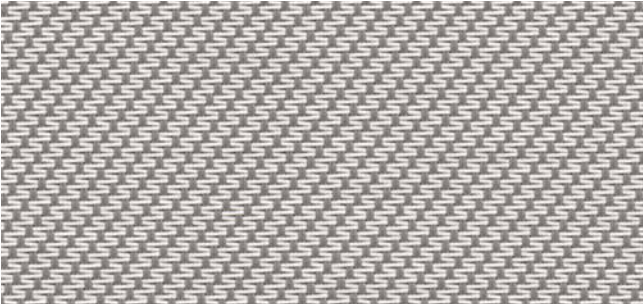
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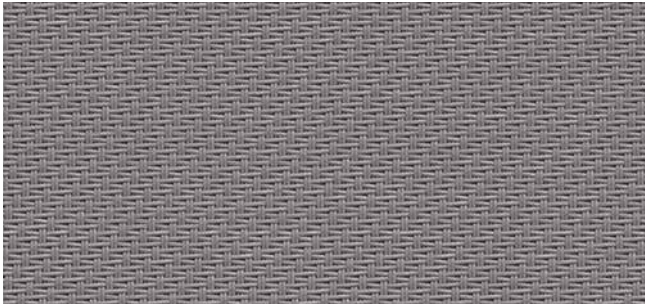
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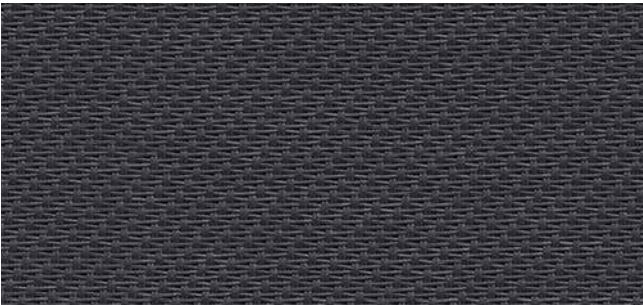
3019



3003



3017



3032



Design no.	Colour*	Visual privacy	Glare control (DIN EN 14501:2021)	Protection against overheating	View out	Light reflectance coefficient R _v in %	Light transmittance coefficient T _v in %	Light absorption coefficient A _v in %	Solar reflectance coefficient R _e in %	Solar transmittance coefficient T _e in %	Solar absorptance coefficient A _e in %	Colour rendering Index R _a	Page
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Screen fabric (4 % openness factor)

Price range 2													
3502	White ¹	2	0	3	1	54	13	33	51	16	33	81	3
3502	Sand	2	0	3	1	48	13	39	46	16	38	81	
3503	White ¹	2	1	3	2	42	7	51	40	10	50	96	3
3503	Grey	2	1	3	2	31	7	62	31	10	59	96	
3511	White	2	0	2	0	73	21	6	65	21	14	95	3
3517	Grey	2	1	4	2	16	4	80	15	4	81	100	3
3519	Pearl	2	0	3	1	40	13	47	37	14	49	91	3
3520	Linen	1	0	3	2	55	13	32	52	15	33	85	3
3521	Pearl ¹	2	0	3	1	55	16	29	50	17	33	93	3
3521	White	2	0	3	1	62	16	22	55	17	28	93	
3531	Black ¹	2	1	3	2	11	5	84	12	6	82	98	3
3531	Grey	2	1	3	2	14	5	81	15	6	79	98	
3532	Black	2	1	3	2	6	4	90	6	4	90	100	3

Screen fabric (1 % openness factor)

Price range 3													
3103	White ¹	2	3	4	2	31	3	66	32	6	62	95	4
3103	Grey	2	3	4	2	31	3	66	31	6	63	95	4
3117	Grey	2	3	4	2	17	3	80	20	5	75	96	4
3119	Pearl	2	3	3	1	41	9	50	39	10	51	90	4
3121	Pearl ¹	2	1	3	1	64	13	23	59	15	26	94	4
3121	White	2	1	3	1	64	13	23	59	15	26	94	4
3131	Grey ¹	2	3	4	2	14	3	83	15	4	81	97	4
3131	Black	2	3	4	2	14	3	83	15	4	81	97	4
3132	Black	2	3	4	2	6	2	92	6	2	92	99	4

Screen fabric (0 % openness factor)

Price range 5													
3003	White ¹	4	4	4	0	44	0	56	42	0	58	Blackout	5
3003	Grey PVC	4	4	4	0	35	0	65	34	0	66	Blackout	5
3008	Sand/ white ¹	4	4	4	0	56	0	44	53	0	47	Blackout	5
3008	Grey PVC	4	4	4	0	35	0	65	34	0	66	Blackout	5
3011	White ¹	4	4	4	0	77	0	23	69	0	31	Blackout	5
3011	Grey PVC	4	4	4	0	35	0	65	34	0	66	Blackout	5
3017	Grey ¹	4	4	4	0	19	0	81	21	0	79	Blackout	5
3017	Grey PVC	4	4	4	0	35	0	65	34	0	66	Blackout	5
3019	Pearl ¹	4	4	4	0	42	0	58	39	0	61	Blackout	5
3019	Grey PVC	4	4	4	0	35	0	65	33	0	67	Blackout	5
3020	Linen ¹	4	4	4	0	60	0	40	55	0	45	Blackout	5
3020	Grey PVC	4	4	4	0	35	0	65	33	0	67	Blackout	5
3032	Black ¹	4	4	4	0	7	0	93	7	0	93	Blackout	5
3032	Grey PVC	4	4	4	0	35	0	65	33	0	67	Blackout	5

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. 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!

* For two-tone designs, please note which colour is on the outside.
¹ If the external colour is not specified when ordering, the marked colour is used on the outside.

Screen fabric

- PVC-coated glass fibre
- flame retardant in accordance with DIN 4102-B1

Fabric width 210/250/285/320 cm, fabric weight approx. 450-660 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 capacity of the external fabric to prevent heat build-up in the room. Heat protection glass ($U_g = 1.2 \text{ W/(m}^2\text{K)}$; $g = 59\%$) is used for classification; the value g_{tot} is calculated in accordance with DIN EN ISO 52022-1 or DIN EN 13363-1/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 capacity of the fabric to reduce solar radiation on the workspace and prevent direct view of the sun.

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

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

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

Solar reflectance coefficient ρ_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 coefficient τ_e = the percentage of the total radiation reaching the awning that passes through.

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

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