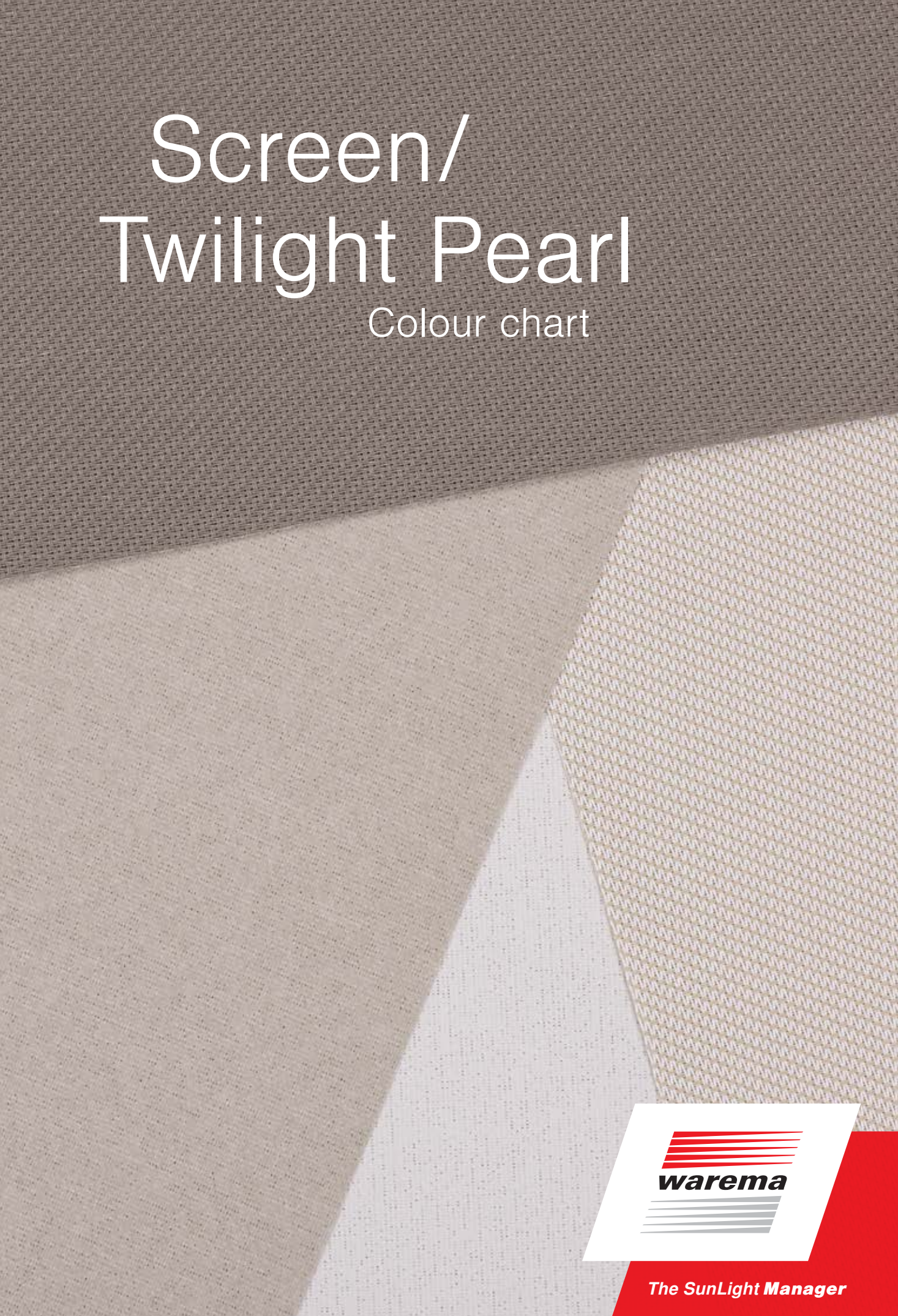
Screen/ Twilight Pearl

Colour chart

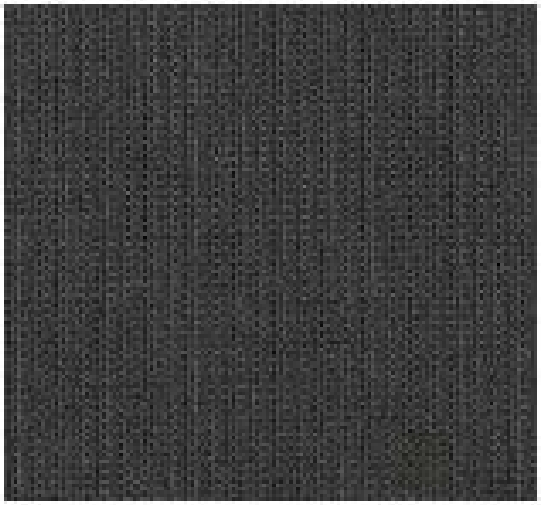


warema

*The SunLight **Manager***

Valid from 2023-04-01

Matching fabric qualities for vertical shading



8745 Twilight Pearl

Twilight Pearl

The Twilight Pearl quality meets all requirements for modern visual protection, glare control and sun shading – with a very good view out. The fabric is up to 100 % PVC-free, odour-neutral and is not only suitable for use in window awnings, but also valance roller blinds. Long durability is guaranteed through the colour and light-fastness and the high degree of weather resistance. Used outdoors, Twilight Pearl is perfectly suited as summer thermal protection. Optically, Twilight Pearl impresses with its textile character and harmoniously coordinated spectrum of popular colours. Thanks to the large web width, the number of fabric strips per sun shading product is reduced, and as a result the look of the fabric is improved. A recommendation for the perfect fabric combination with the chosen main fabric can be found in the specialist dealer collection.

- web width 260 cm
- fabric weight approx. 330 g/m²
- building materials class DIN 4102: B1
- building materials class EN 13501-1: B-s2, d0

3532 Screen

Screen

The basis of a screen fabric is a PVC-coated glass fibre yarn. This coated yarn is woven into a textile surface and fixed by thermal processing. This manufacturing method makes it possible to create designs in multiple colours. Screen fabrics are particularly suitable for use in vertical sun-shading as the structure allows a good view out, but at the same time optimum visual privacy and sun shading is provided. A recommendation for the perfect fabric combination with the chosen main fabric can be found in the specialist dealer collection.

- web width to 320 cm depending on design
- fabric weight approx. 520-525 g/m²
- building materials class DIN 4102: B1
- building materials class EN 13501-1: C-s3, d0

When ordering two-tone designs, specify the colour emphasis on the outside of the sun shading system.

Additional screen fabric quality designs can be taken from the colour chart.

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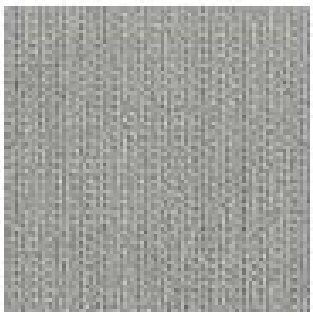
Twilight Pearl

8740



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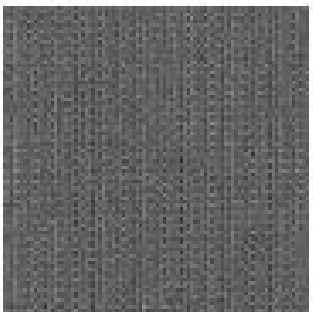

8744

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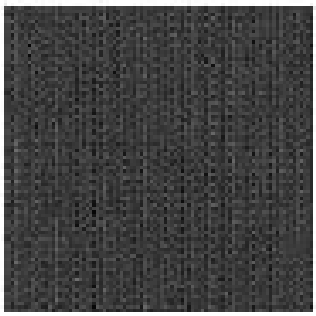
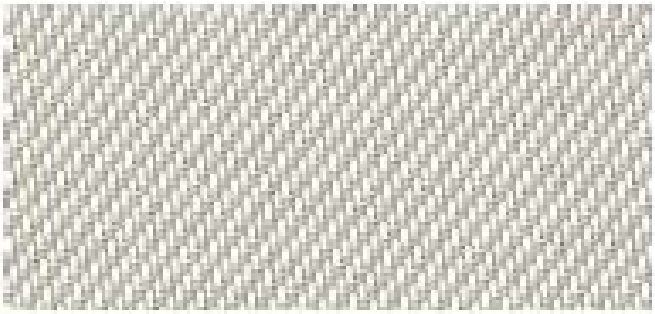


8745

Screen

3511



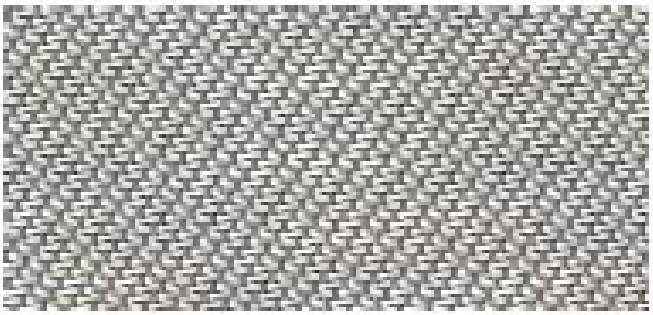
3521*

3519

3542

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

Screen



3503*

3502*

3528

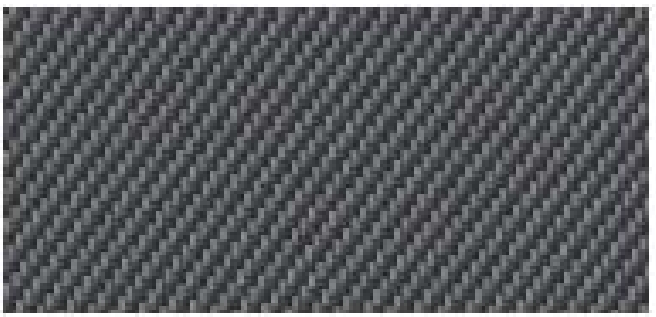
3517

3543

3520

3504*

3518



3531*

3532

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

Design no.	Colour*	Visual privacy	Glare control (DIN EN 14501:2021)	Summer thermal protection	View out	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Solar reflectance in %	Solar transmittance in %	Solar absorptance coefficient in %	Colour rendering index	Page
Twilight Pearl													
Price range 4													
8740	White	2	1	2	0	-	19	-	58	22	20	87	3
8741	White	2	1	3	1	-	10	-	42	13	45	86	3
8742	Grey	2	2	3	2	-	6	-	28	8	64	92	3
8743	Grey	2	3	3	2	-	5	-	20	7	73	92	3
8744	Grey	2	3	4	2	-	3	-	10	3	87	96	3
8745	Black	2	3	4	2	-	2	-	5	3	92	98	3
8746	Beige	2	2	3	1	-	9	-	40	13	47	76	3
8747	Brown	2	3	3	2	-	4	-	19	6	75	85	3
Screen													
Price range 2													
3502	White[1]	2	0	3	1	54	13	33	51	16	33	81	4
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	4
3503	Grey	2	1	3	2	31	7	62	31	10	59	96	
3504	Sand[1]	2	1	3	2	28	7	65	29	9	62	91	4
3504	Grey	2	1	3	2	23	7	70	25	9	66	91	
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	-	4
3518	Brown	2	1	3	2	-	4	-	8	4	88	-	4
3519	Pearl	2	0	3	1	40	13	47	37	14	49	91	3
3520	Linen	1	0	3	2	-	13	-	53	15	32	-	4
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	
3528	Sandstone	1	0	3	3	20	7	73	21	7	72	-	4
3531	Black[1]	2	1	3	2	11	5	84	12	6	82	98	4
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	4
3542	Grey	2	1	3	1	42	10	48	37	11	52	-	3
3543	Anthracite	2	1	3	2	8	4	88	7	4	89	-	4

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. Furthermore, 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.

Thermal and visual fabric properties in accordance with DIN EN 14501

Protection against overheating

Use on window, patio and conservatory awnings
The capacity of the external fabric to prevent heat build-up in the room. Thermal protection glass (U_g = 1.2 W/(m²K); 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 suitable only for a few applications, e.g. north facade, when glare from opposite facades is impossible.	Suitable for north side; east, south and west sides not suitable for computer workstations
	Glare control is almost always guaranteed and insufficient only for a few applications, e.g. computer workstations directly facing the window.	Suitable for east, south, west facade
	Glare control is almost always guaranteed and insufficient only 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 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
	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 < 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 are noticeable.
	The view out is limited. Silhouettes are easy to see.
	The view out is minimally limited, e.g. people can be seen at a distance of 10 m.
	The view out is almost 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 it is behind the sun shading system).

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

Solar transmittance 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 which 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.