

Soltis 92 fabric



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

Soltis 92 fabric

- base material made from highly tear-resistant polyester
- coating: PVC
- surface treatment: acrylic varnish with dirt-repellent finish
- flame resistant in accordance with DIN 4102-B1

Web width: 177 cm, fabric weight: approx. 420 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 ($U_g = 1,2 \text{ W/(m}^2\text{K)}$; $g = 59\%$) is used for classification, the value g_{ext} is calculated in accordance with DIN EN 13363-1.

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 T_v = the percentage of the light reaching the sun shading system 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 which is absorbed.

Solar reflectance ρ_s = 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 T_s = the percentage of the total radiation reaching the awning which passes through.

Solar absorptance α_s = 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.

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Colour chart

Der SonnenLichtManager



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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
012		3	2	3	3	2	30	6	64	30	7	63	89	3
013		3	1	3	1	2	61	16	23	57	18	25	54	3
039		3	2	4	3	2	7	3	90	8	3	89	99	4
043		3	2	4	3	2	11	2	87	12	2	86	100	3
044		3	1	3	1	2	75	19	6	70	20	10	92	2
045		3	2	4	3	2	32	3	65	35	3	62	99	2
046	Aluminium ¹	3	1	4	1	2	48	8	44	48	9	43	90	2
046	Silk colours	3	1	4	1	2	66	8	26	63	9	28	90	2
047		3	2	3	3	2	8	5	87	8	5	87	100	2
048		3	1	4	1	2	50	8	42	46	8	46	92	2
051	Aluminium ¹	3	1	3	1	2	51	10	39	50	10	40	96	2
051	White	3	1	4	1	2	78	9	13	70	9	21	96	2
053		3	2	3	3	2	6	3	91	6	3	91	99	2
065		3	2	3	2	2	47	7	46	46	10	44	93	2
068	Aluminium ¹	3	2	4	3	2	34	5	61	40	5	55	100	2
068	Anthracite	3	2	3	3	2	7	5	88	8	5	87	100	2
074	Aluminium ¹	3	2	4	3	2	37	4	59	38	4	58	99	2
074	Grey	3	2	4	3	2	26	4	70	25	4	71	99	2
135		3	2	4	2	2	46	6	48	46	9	45	78	3
137		3	2	4	3	2	7	3	90	8	3	89	98	3
148		3	2	4	3	2	12	3	85	14	3	83	96	3
149		3	2	3	3	2	16	4	80	16	5	79	98	4
152		3	2	3	3	2	15	5	80	37	15	48	44	3
157		3	1	3	1	2	57	10	33	51	15	34	71	4
158		3	2	4	3	2	27	3	70	28	4	68	88	4
160		3	2	3	3	2	23	4	73	36	8	56	85	4
161		3	2	3	3	2	9	3	88	19	5	76	95	4
163		3	2	3	3	2	37	4	59	44	9	47	70	4
164		3	2	3	3	2	32	4	64	45	10	45	79	4
166		3	1	2	1	2	54	17	29	54	21	25	47	3
167		3	2	4	3	2	17	3	80	19	3	78	99	2
171		3	2	4	2	2	44	6	50	43	8	49	94	2
172		3	2	2	1	2	24	8	68	43	19	38	≤0	3
175		3	1	3	1	2	72	16	12	64	19	17	82	3
204		3	1	3	1	2	32	8	60	47	17	36	28	3
255		3	2	3	3	2	12	4	84	28	12	60	52	3
260		3	2	3	3	2	9	4	87	14	5	81	93	3
261		3	2	3	3	2	21	6	73	40	15	45	67	3
264		3	2	3	3	2	9	4	87	13	5	82	98	4
265		3	2	4	2	2	50	6	44	49	9	42	70	3
266		3	2	4	3	2	18	4	78	19	4	77	96	3
267		3	2	4	3	2	14	3	83	27	6	67	89	3
268		3	2	3	3	2	13	5	82	37	16	47	12	3
269		3	2	3	2	2	29	5	66	35	9	56	77	4
270		3	2	4	3	2	13	3	84	18	4	78	98	4
271		3	2	3	3	2	25	2	73	38	8	54	89	4
272		3	1	3	1	2	59	9	32	56	12	32	94	2
273		3	2	4	2	2	41	6	53	42	8	50	71	3
274		3	2	3	3	2	27	4	69	35	8	57	70	3
333		3	2	3	1	2	38	7	55	37	11	52	76	4
336		3	2	3	3	2	6	3	91	18	7	75	97	4
342		3	2	3	3	2	5	4	91	10	6	84	99	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.

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

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