

SOLTIS

SK 20



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MAIN FEATURES

- Micro-aerated, flexible, composite material
- Non combustible - Non flammable
- Low emission of non-toxic fumes
- LowE low emissivity treatment
- Light management

APPLICATIONS

- Indoor blinds
- Interior sunshades for glass roofs
- Light diffusers and reflectors
- Sound absorbers
- Low emissivity tensioned ceilings

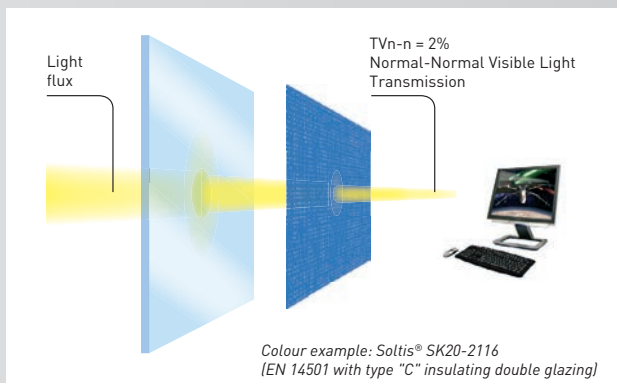


Unmatched fire and smoke behaviour

Optimum fire safety

Soltis SK 20 complies with the most stringent safety standards, including those applicable to buildings receiving the public. Rated:

- A2-s1,d0: non-flammable material,
- F0: highest possible rating based on smoke toxicity and opaqueness testing.



Optimum control of light contributions

Visual comfort and natural light control

Soltis SK 20's composition, micro-aerated texture and metallised finish all guaranteed:

- permanent visual contact with the exterior due to the material's translucence,
- harmonious light diffusion or reflection,
- limited dazzle discomfort.



LowE: comfort and energy performance

LowE treatment contributes to greater thermal protection

Soltis SK 20's low emissivity treatment ($LowE \leq 0.55$) contributes to:

- greater well-being of residents by maintaining a steady and comfortable perceived temperature.
- the building's energy balance by reducing air-conditioning demands.

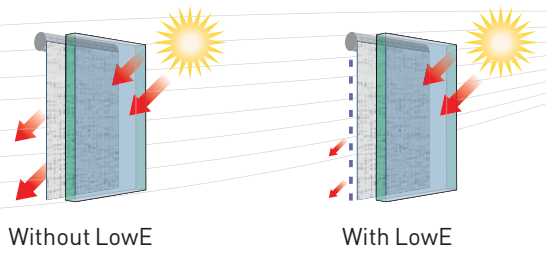
LowE Advantages

LowE treatment Heat → Air-conditioning →

• Screen effect in summer

In bright sunlight, the material heats up, but re-emits only a little heat inward.

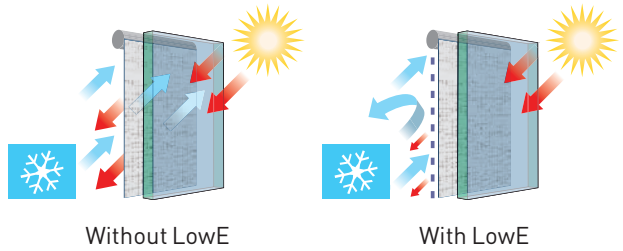
- > solar contributions reduced, thermal comfort significantly improved,
- > "hot-wall" sensations are eliminated, residents no longer feel this diffuse heat effect near windows.



• Mirror effect in both winter and summer

The LowE treatment boosts the effective power of air conditioning by reflection and by keeping cool air inside.

- > less demand for heating and air conditioning equipment,
- > reduced building operating costs and environmental impact.



Acoustic Comfort

Characterised by their micro-perforated structure, Soltis SK 20 materials produce a very significant acoustic absorption effect.

EN ISO 20354 / ISO 354	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Soltis SK 20 + 100 mm air gap	0.05	0.05	0.25	0.45	0.35	0.40

Solar and light properties (EN 14501)

	Reference	TS	RS	AS	TV _{n-h}	TV _{n-n}	RV	g _{tot} ¹
A	SK 20-2116 E	10	58	32	9	2	58	0.38
B	SK 20-2116 E	10	44	46	9	2	40	0.43
A	SK 20-2119 E	10	59	31	9	2	59	0.38
B	SK 20-2119 E	10	45	45	9	2	42	0.42
A	SK 20-2122 E	7	58	35	4	2	56	0.38
B	SK 20-2122 E	7	33	60	4	2	14	0.46
A	SK 20-2123 E	10	56	34	8	3	54	0.39
B	SK 20-2123 E	10	31	59	8	3	26	0.47
A	SK 20-1294 E	10	60	30	10	2	60	0.37
B	SK 20-1294 E	10	55	35	10	2	55	0.39
A/B	SK 20-1294	47	49	4	47	3	50	0.42

TS: Solar Transmission (%)

RS: Solar Reflection (%)

AS: Solar Absorption (%)

TS + RS + AS = 100% of incident energy

TVn-n: TVn-n: Normal-normal Visible Light Transmission (%)

TVn-h: Normal-hemispherical Visible Light Transmission (%)

RV: Visible light reflection (%)

g_{tot}¹: Internal Solar Factor

Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled).

A: Aluminium face exposed to the sun

B: Coloured face exposed to the sun

Technical properties	Soltis SK 20	Standards
Weight	220 g/m ²	EN ISO 2286-2
Thickness	0.22 mm	
Width	267 cm	
Length of rolls		
Standard format length	40 lm	
Physical properties		
Tensile strength (warp/weft)	250/200 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	25/20 daN	DIN 53353
Emissivity	≤ 0.55	ASTM 1585
Acoustic absorption (α _w) 100 mm air gap	0.40	EN ISO 20354 / ISO 354 Echo chamber
Flame retardancy		
Rating	M1/NFP 92-507 • A2/DIN 4102-1 • FO/NF F 16-101	
Euroclass	A2-s1,d0/EN 13501-1	
Management systems		
Quality	ISO 9001	
Certifications, labels, guarantees, recycling		



The technical data above are average values with a +/- 5% tolerance.

The buyer of our products is fully responsible for their application and transformation with respect to any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice and safety regulations in force in destination countries. For information on our contractual warranty, please refer to the relevant terms and conditions.

The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

RECOMMENDATIONS

- Making up by sewing or vulcanisation with **BASIL** strips (refer to our making up guide)
- Handling and upkeep: Soltis SK 20 must be **kept flat or rolled** and not folded during handling, preparation and transportation. Protective measures should be taken on the cutting tables and assembly equipment. Clean with rubbing alcohol and a white-coloured soft cloth. Do not expose the material to water.

TOOLS AND SERVICES

- Making up guide available on request
- Personalised service for simulating your project's thermal performance and related Soltis solar protection systems: please contact your Serge Ferrari representative
- Tool for evaluating energy savings generated by Soltis solar protection systems: www.textinergie.org
- Document and photo libraries: www.sergeferrari.com

→ Contact us

- Tel. +33 (0)4 74 97 41 33
- Contact and project forms available at: www.sergeferrari.com

→ Specification department

- Contact your Serge Ferrari representative
- To detail your project, fill in a form under: www.sergeferrari.com

→ Taxyloop

- An operational recycling chain
- www.taxyloop.com