

Thermo Block® FR pvc-free blackout fabric

Thermo Block® FR fabrics provide 100% light block with the added benefit of insulating qualities, making them the ultimate solution for any interior that requires darkness, such as AV rooms or bedrooms.

- NZGBC Green Star Points credits.
- Made of 100% Polyester with no PVC.
- Fire retardant, complies with the NZ Building Code requirements.
- 100% blackout coating.
- Flocked backing provides insulating qualities.



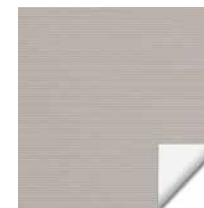
Oasis



Tahoe



Arctic



Antigua



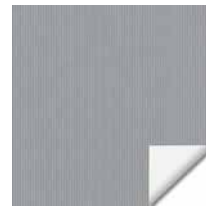
Kasabian



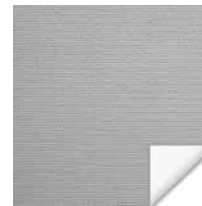
Shoal



Acadia



Cannes



Sterling



Arbour



Tuff



Rivage



Skye



Floyd



Reed



Coast



Kaali



Jet



Thermo Block® FR Specifications

5531SP SP Commercial FR Interior Roller Blinds														SP - Potential Contribution Points					
NZGBC Green Star DAB Nzv1.1 12.1B – Glare Control 20.3A – Responsible Building Materials 21C & 21D – Sustainable Products Masterspec Index 1226G0 / 1226GT				NZGBC Green Star INT Nzv1.1 11.1B – Glare Control 20.2A – Responsible Building Materials 21C & 21D – Sustainable Products				DAB Nzv1.1 / INT Nzv1.1 – Credit											
				12.1B / 11.1B		20.3A / 20.2A		21C, 21D / 21C, 21D											
				1 Point		1 Point		Towards Schedule											
Fabric Name	Width (mm)	Price Category	Openness Factor (OF)	AS/NZ 1530.2 Flammability Index	Solar Properties			VLT %		PVC		Sustainable Products							
					As	Rs	Ts	<10	≥10	PVC Free	ISO 14001	OEKO-TEX	GREENGUARD	Global GreenTag	Low VOC	RoHS / Lead Free	100% Trevira CS		
Thermo Block FR Oasis	3000	2	•	1						•			•						2
Thermo Block FR Tahoe	3200	2	•	4						•			•						2
Thermo Block FR Arctic	3200	2	•	4						•			•						2
Thermo Block FR Antigua	3200	2	•	4						•			•						2
Thermo Block FR Kasabian	3200	2	•	1						•			•						2
Thermo Block FR Shoal	3200	2	•	4						•			•						2
Thermo Block FR Acadia	3000	2	•	8						•		•	•						2
Thermo Block FR Cannes	3200	2	•	4						•			•						2
Thermo Block FR Sterling	3000	2	•	1						•			•						2
Thermo Block FR Arbour	3000	2	•	8						•		•	•						2
Thermo Block FR Tuff	3000	2	•	1						•			•						2
Thermo Block FR Rivage	3000	2	•	8						•		•	•						2
Thermo Block FR Skye	3200	2	•	4						•			•						2
Thermo Block FR Floyd	3200	2	•	1						•			•						2
Thermo Block FR Reed	3200	2	•	4						•			•						2
Thermo Block FR Coast	3000	2	•	8						•		•	•						2
Thermo Block FR Kaali	3200	2	•	4						•			•						2
Thermo Block FR Jet	3000	2	•	1						•			•						2

Key

- Eco-friendly
- Fire retardant
- OF** **Openness Factor** – this factor measures the proportion of holes in a woven fabric. This parameter, together with other technical properties of the fabric, should be considered when determining the degree of visibility, heat and glare control that the fabric offers.
- AS/NZ 1530.2** Methods for fire tests on building materials, components and structures. Part 2: Test for flammability of materials.
- As** **Solar Absorbance** – the proportion of solar radiation (heat) absorbed by the fabric. **A low figure** means the fabric absorbs little solar energy.
- Rs** **Solar Reflectance** – this factor measures how much solar radiation is reflected by the fabric. **A high percentage** means the fabric performs well at reflecting solar energy.
- Ts** **Solar Transmittance** – the proportion of solar energy (heat) transmitted through the fabric. **A low percentage** means the fabric performs well at reducing solar energy.
- VLT%** **Visual Light Transmittance** – the percentage of visible light coming through the fabric, that can be seen by the naked eye. **A low figure** shows a very efficient fabric.
- PVC Free** Does not contain PVC.
- ISO 14001** The ISO 14001 standard is the most important international standard specifying the requirements of an Environmental Management System (EMS). Companies who implemented the ISO 14001 standard cannot use any harmful substances in their products.
- OEKO-TEX** The STANDARD 100 by OEKO-TEX® is a worldwide independent testing and certification system for harmful substances in textile products.
- GREEN-GUARD** This programme certifies materials for low chemical emissions, based on independent scientific testing and ongoing monitoring.
- Global GreenTag** A third party, green building product rating and certification system, underpinned by rigorous scientific and Life Cycle Assessment (LCA) processes.
- VOC** **Volatile Organic Compound** – these are organic chemicals that have a high vapour pressure at ordinary room temperature. This causes a large number of molecules to evaporate and enter the surrounding air. A fabric that has been certified for Low VOC Emissions has no, or very low levels of, these chemicals.
- RoHS / Lead Free** **Restriction of Harmful Substances** – the RoHS directive issued by the EU aims to restrict the use of certain dangerous substances. Any RoHS compliant component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE). For Cadmium and Hexavalent chromium, there must be less than 0.01% of the substance. For Lead, PBB, and PBDE, there must be no more than 0.1% of the material. Any RoHS compliant component must have 100 ppm or less of mercury and the mercury must not have been intentionally added to the component.
- Trevira CS** Trevira CS is a high spec, eco-friendly type of man-made yarn, which is free of PVC, Halogen and Formaldehyde. It is inherently and permanently fire-retardant thanks to its molecular structure. It stands for textiles made of 100% flame retardant fibres and yarns by Trevira and their partners in the spinning and yarn finishing stages.

NZGBC Green Star DAB Nzv1.1 / INT Nzv1.1 credit

12.1B / 11.1B **Glare Control** – this credit rewards it using internal blinds. The nominated SP Blinds fabrics have a VLT less than 10% and can contribute towards a point, provided all the design details are in accordance with the Technical Manual.

20.3A / 20.2A **Responsible Building Materials** – 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds and cables in a project either:

- do not contain PVC and have a recognised product declaration;
- OR meet the GBCA's Best Practice Guidelines for PVC.

21C, 21D / 21C, 21D **Sustainable Products** – up to 3 points are available when a proportion of all materials used in the project meet transparency and sustainability requirements under the initiatives.

