

PRESS RELEASE

## The Satiné 5500 Low E fabric by Mermet® revolutionises the energy performance of internal blinds

### Mermet launches the latest innovation on the market

**Satiné 5500 Low E is quite simply the best solution for internal solar protection.** Thanks to its double-sided metallisation, this technical fabric based on coated glass fibre offers very low emissivity and a level of performance never before achieved in internal applications.

### A thermal shield for an internal blind

Created on Satiné 5500 base fabric, one of Mermet's leading products, "Low E" retains all of the fabric's benefits, such as its excellent mechanical strength and clear view of the outside.

And by adding double-sided metallisation, the fabric gains extraordinary properties, including:

- unequalled heat protection. The fabric alone reflects 76% of solar energy ( $Sc = 0.76$ ) and offers a gtot of 0.32 with a benchmark type C glazing (g of glazing = 0.59), a level rarely achieved with transparent internal fabrics,
- excellent glare control, with 96% of light rays filtered ( $Tv = 4\%$ ), even in the paler colour options,
- the lowest emissivity on the market, with a level of only 17% compared to the average of between 70 and 95%!
- optimisation of incoming natural light for maximum comfort.

And finally, this fabric acts as an "insulator", as it:

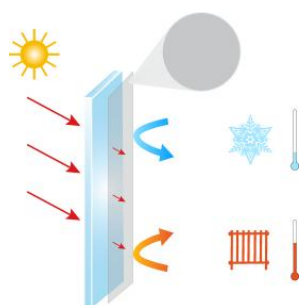
- prevents unpleasant sensations both in winter (against the effect of cold glass) and in summer (the fabric captures heat without distributing it),
- contributes to the reduction of energy consumption for air conditioning, lighting and heating, and enables access to loans through eco-efficient building programmes such as HQE®, LEED and BREEAM.

### An architect-friendly fabric

Thanks to its energy performance, Satiné 5500 Low E enables all building projects (renovations, offices or residential) to benefit from advantages that until now had been exclusive to external applications. This makes it an essential, aesthetically-pleasing element of a building's façade:

- its original metallised colour options work perfectly with contemporary interiors and older buildings alike.
- available in a large width (240 cm), it can be used either with wide windows or smaller spaces.
- classed as fire-resistant (M1 and B1), Oeko-Tex Standard 100 class IV and Greenguard®, it complies with health and safety standards for buildings open to the public.

Highly technical, functional and aesthetic, Satiné 5500 Low E fulfils all your solar protection requirements in a single fabric. With this bold move, Mermet has raised the bar even higher.



#### EMISSIVITY IN FOCUS

The emissivity of a material is its ability to re-emit the energy received through conduction (heat/cold).

A fabric with a low level of emissivity will limit the effect of inward radiation on a room and thereby limit how cold it feels in winter and how hot it feels in summer.

Furthermore, it acts as a mirror and keeps the energy emitted through reflection inside. Both for air conditioning in summer and heating in winter, outward losses are limited and energy consumption is optimised.

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