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PRESS RELEASE

5500 METAL: the first large width metallic Screen for external applications

The first metallic large width Sunscreen® transparent fabric, suitable for external applications, the 5500 METAL is the latest innovation from MERMET. Exclusively available from Mermet, it offers many environmental and aesthetic advantages in addition to its technical properties.

Product signature: the "Zero G Screen"

When fitted externally, a solar protection fabric is immediately 87% more thermally efficient than one fitted internally.

The addition of a reflective metallic side greatly increases the thermal and optical performance of the original Sunscreen® fabric for unrivalled efficiency, namely a "Zero G Screen", which blocks out nearly all thermal radiation and provides:

- the best G-value ever recorded for a class IV classification (very effective) in accordance with the EN 14501 standard, and below the 0.10 threshold value in accordance with RT 2012 (Thermal Regulation 2012),
- an improvement of 32% in solar reflection for even greater thermal comfort,
- an improvement of 43% in visible transmission for perfect glare control.

In addition, the new 5500 METAL fabric:

- is available in a large width size of 285 cm and can be easily fitted to large glazed bays,
- blends aesthetically into building façades thanks to the perfect integration of the metallic side with the construction.

Lastly, 5500 METAL improves the energy consumption of buildings and helps to obtain credits in eco-efficient and eco-designed building programmes such as LEED, BREEAM, HQE, Passiv Haus, Minergie, etc.

A not insignificant environmental approach in today's world!

5500 METAL is based on the Satine 5500 technical solution, the leader for exterior applications

It exploits the hi-tech properties of Mermet's Satine 5500 fabric and thereby retains all its performance levels:

- very good glare control thanks to its diagonal weave, while optimising the amount of natural light allowed to enter,
- excellent transparency offering clear vision to the outside,
- excellent mechanical resistance for high-tensile applications (it can be used on all types of tensile structures) and high dimensional stability (it can be used with velums, roller blinds, decorative panels, etc...)
- high weather resistance,
- meets the requirements of buildings open to the public.

With this new metallic product suitable for external blinds applications, Mermet, as a market leader, has now perfected its expertise in the field of metallic fabrics, which began with the launch at the end of 2010 of the Screen Nature METAL range (Hexcelscreen collection).

Since January 2011, Mermet with 5500 METAL is able to offer a new dimension to its collection of Sunscreen® fabrics. And success has not been slow in coming: even before its official launch, the fabric was selected for the exterior blinds at the university campus of Stuttgart Vaihingen.

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