SCREEN DESIGN

M-SCREEN

8501-8503-8505

INTELLIGENT FABRICS FOR SOLAR PROTECTION

www.sunscreen-mermet.com
M-SCREEN 8501-8503-8505

THERMAL AND VISUAL COMFORT WITH CONSISTENT DESIGN AESTHETIC FOR INTERIOR SPACES

- 3 OPENNESS FACTORS 1%, 3% and 5% to optimize solar protection according the orientation of building
- EXCELLENT GLARE CONTROL (M-Screen 8501): UP TO 100% OF LIGHT RAYS FILTERED \( (Tv = 0\%) \), comfort classification 3 (good effect) according to EN 14501 standard
- INTERNAL THERMAL COMFORT: up to 87% of solar energy rejected \( (gtot = 0.13 / \text{glazing } g = 0.32 \text{ and } U = 1.1) \)
- Optimal TRANSPARENCY and incoming of NATURAL LIGHT to improve the energy efficiency of buildings
- Economical: 3 WIDTH SIZES (200, 250, and 320 CM) to reduce waste in manufacturing fabric panels
- DIMENSIONAL STABILITY, DURABILITY (test of 10,000 cycles, class 3 NF EN 13120), MECHANICAL RESISTANCE: perfect flatness even in large dimensions
- Health & Safety: conforms to standard requirements for buildings open to the public

22 TRENDY COLOURS

320 CM LARGE-SIZED WINDOWS OFFERING A SEAMLESS DESIGN

INTERNAL APPLICATIONS

- Roller blinds
- Roman shades
- Decorative panels
- Vertical blinds
- Velums
- ZIP Roller blinds
- Printable
- Stretched ceilings
- Space fitting

Enduris 
GREENGUARD 
CERTIFIED 
FIVE YEAR 
WARRANTY

FIVE YEAR 
WARRANTY

ANTIBACTERIAL 
LEAD FREE 
FIRE RETARDANT

REACH COMPLIANT

IMO 
B V 2690

10000 CYCLES
### Technical Data

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<th>M-SCREEN 8501</th>
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| **Composition** | 36% Fibreglass - 64% PVC | CASE 1 [FR - EN 13773 *** | FR (US) - NFPA 701  
| **Fire, smoke classification and other official test reports** | | EN 13501-1 mounted according to EN 13823 & EN 14716 | ISO 1421 standard and calculation methods as specified in the standard EN 13353-2, 13363-2 and EN 13363-2, 13363-3, 13363-4, ***** M-Screen 8505 only |
| **Health, safety** | | 34.1 L / m² / h / m² | 25.1 L / m² / h / m² |
| **Openness factor** | 1% | 3% | 3% |
| **UV screen** | Up to 100% | Up to 98% | Up to 98% |
| **Width** | 200 - 250 cm | 200 - 250 cm | 200 - 250 cm |
| **Weight/m²** | 300 g ± 5 | 300 g ± 5 | 300 g ± 5 |
| **Thickness - ISO 2280-3** | 0,30 mm ± 0,05 | 0,30 mm ± 0,05 | 0,30 mm ± 0,05 |
| **Colour Fastness to light (scale of 8)** | 7/8 - ISO 105 802 (white not graded) | 7/8 - ISO 105 802 (white not graded) | 7/8 - ISO 105 802 (white not graded) |
| **Mechanical resistance** | | | |
| **Breaking (daN/5 cm - ISO 1421** | > 150 | > 150 | > 150 |
| **Tear (daN) - EN 1875-3** | > 5 ≤ 5 | > 4 ≤ 4 | > 4 ≤ 4 |
| **Folding (daN/cm) - ISO 2141** | > 70 ≤ 70 | > 50 ≤ 50 | > 50 ≤ 50 |
| **Bouligon (warp and weft)** | < 5% ISO 1421 | < 5% ISO 1421 | < 5% ISO 1421 |
| **Packaging** | Rolls of 33 m | Rolls of 33 m | Rolls of 33 m |

These product's technical data are in conformity with the brochure as of the date of publication. MERMET SAS reserves the right to make changes in the technical data, only those provided on the company’s website www.mermet.com shall be deemed to be authentic. Where applicable, MERMET SAS also reserves the right to withdraw these products from sale should any of the technical properties or characteristics set out opposite prove to be inadequate or rendered impossible as a result of a change in regulations or in knowledge or understanding.  
* Reports available on request, please contact Mermet.  
** Internal procedure derived from ISO 1421 standard  
*** M-Screen 8505 only
WIDTHS: 200 - 250 - 320 CM

Colours may be slightly different from the actual ones
MERMET COLLECTION offers a wide choice of fabrics for external and internal application, from transparency to total darkness, for thermal and optical comfort. To receive other brochures from the collection, contact us.