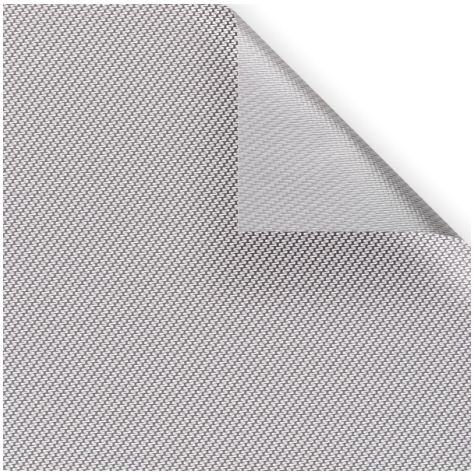
# Serge 600 Blockout Lunar - grey | white
**(001002)**

Technical info

FRONT



BACK

| | | |
|---|---|---|
| **Widths** | | 210 cm |
| **Composition** | | Fibreglass 33% - PVC 47% - PVC laminate 20% |
| **Openness factor** | NBN EN 410 | 0.00% |
| **Weight** | NF EN 12127 | 678.00 g/m² |
| **Thickness** | ISO 5084 | 0.73 mm |
| **Density** | ISO 7211/2 | WARP 18.00 yarn/cm WEFT 14.00 yarn/cm |
| **Color fastness to artificial weathering** | ISO 105 B04 | >7 |
| **Air permeability** | ISO 9237 | 0.0 |
| **Roll length** | | 30 m |
| **Cleaning** | | With soapy water |
| **Confection** | | By heat, high frequency or ultrasonic welding |
| **Fire classification** | | |
| └ Germany | DIN 4102 | awaiting test results |
| └ UK | BS 5867 | awaiting test results |
| └ USA | NFPA 701 | awaiting test results |
| └ France | NF P92-503 | M2 |
| └ Italy | UNI 9177 | Class 1 |

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| **Tear strength** ISO 4674-1 methode 2 | | |
| └ Original | WARP 8.50 daN | WEFT 9.00 daN |
| └ After climatic chamber -30°C | WARP 8.40 daN | WEFT 9.30 daN |
| └ After climatic chamber +70°C | WARP 8.80 daN | WEFT 9.30 daN |
| **Elongation up to break** ISO 1421 | | |
| └ Original | WARP 6.40 % | WEFT 7.30 % |
| └ After colour fastness to artificial weathering | WARP 6.50 % | WEFT 7.00 % |
| └ After climatic chamber -30°C | WARP 6.20 % | WEFT 6.90 % |
| └ After climatic chamber +70°C | WARP 6.40 % | WEFT 6.70 % |
| **Breaking strength** ISO 1421 | | |
| └ Original | WARP 224.20 daN/5cm | WEFT 176.60 daN/5cm |
| └ After colour fastness to artificial weathering | WARP 214.20 daN/5cm | WEFT 168.00 daN/5cm |
| └ After climatic chamber -30°C | WARP 222.40 daN/5cm | WEFT 162.60 daN/5cm |
| └ After climatic chamber +70°C | WARP 213.90 daN/5cm | WEFT 161.60 daN/5cm |
| **Recommendations** | To be used in sunscreensystems with Zipscreens. | |

## Front - Interior

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| Visual properties | |
|---|---|
| **Tv = Visual light transmittance** | 0.00% |
| **Tuv = UV transmittance** | 0.00% |

| Solar energetic properties | |
|---|---|
| **As = Solar absorptance** | 59.70% |
| **Rs = Solar reflectance** | 40.30% |
| **Ts = Solar transmittance** | 0.00% |

**Fabric + glazing: G-factor**

| | G | Te | Qi | SC |
|---|---|---|---|---|
| **Glazing A** | 0.44 | 0.00 | 0.44 | 0.51 |
| **Glazing B** | 0.46 | 0.00 | 0.46 | 0.61 |
| **Glazing C** | 0.43 | 0.00 | 0.43 | 0.72 |
| **Glazing D** | 0.27 | 0.00 | 0.27 | 0.84 |

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

| Visual comfort | | |
|---|---|---|
| **Normal solar transmittance** | Class 4 | Very good effect |
| **Glare control** | Class 4 | Very good effect |
| **Privacy night** | Class 2 | Moderate effect |
| **Visual contact with the outside** | Class 2 | Moderate effect |
| **Daylight utilisation** | Class 0 | Very little effect |

**Thermal comfort G-factor = Total solar energy transmittance**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 1 | Class 1 | Class 1 | Class 2 |

**Thermal comfort Qi-factor = Secondary heat transfer factor**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 0 | Class 0 | Class 0 | Class 1 |

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

## Back - Interior

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| Visual properties | |
|---|---|
| **Tv = Visual light transmittance** | 0.00% |
| **Tuv = UV transmittance** | 0.00% |

| Solar energetic properties | |
|---|---|
| **As = Solar absorptance** | 66.30% |
| **Rs = Solar reflectance** | 33.70% |
| **Ts = Solar transmittance** | 0.00% |

**Fabric + glazing: G-factor**

| | G | Te | Qi | SC |
|---|---|---|---|---|
| **Glazing A** | 0.47 | 0.00 | 0.47 | 0.55 |
| **Glazing B** | 0.50 | 0.00 | 0.50 | 0.65 |
| **Glazing C** | 0.45 | 0.00 | 0.45 | 0.76 |
| **Glazing D** | 0.27 | 0.00 | 0.27 | 0.85 |

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| Visual comfort | | |
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| **Glare control** | Class 4 | Very good effect |
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| **Visual contact with the outside** | Class 2 | Moderate effect |
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|---|---|---|---|
| Class 1 | Class 1 | Class 1 | Class 2 |

**Thermal comfort Qi-factor = Secondary heat transfer factor**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 0 | Class 0 | Class 0 | Class 1 |

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## Front - Exterior

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| Visual properties | |
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| Solar energetic properties | |
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| **As = Solar absorptance** | 59.70% |
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| **Ts = Solar transmittance** | 0.00% |

**Fabric + glazing: G-factor**

| | G | Te | Qi | SC |
|---|---|---|---|---|
| **Glazing A** | 0.08 | 0.00 | 0.08 | 0.10 |
| **Glazing B** | 0.06 | 0.00 | 0.06 | 0.08 |
| **Glazing C** | 0.03 | 0.00 | 0.03 | 0.05 |
| **Glazing D** | 0.03 | 0.00 | 0.03 | 0.09 |

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|---|---|---|
| **Normal solar transmittance** | Class 4 | Very good effect |
| **Glare control** | Class 4 | Very good effect |
| **Privacy night** | Class 2 | Moderate effect |
| **Visual contact with the outside** | Class 2 | Moderate effect |
| **Daylight utilisation** | Class 0 | Very little effect |

**Thermal comfort G-factor = Total solar energy transmittance**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 4 | Class 4 | Class 4 | Class 4 |

**Thermal comfort Qi-factor = Secondary heat transfer factor**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 3 | Class 3 | Class 3 | Class 4 |

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

## Back - Exterior

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| Visual properties | |
|---|---|
| **Tv = Visual light transmittance** | 0.00% |
| **Tuv = UV transmittance** | 0.00% |

| Solar energetic properties | |
|---|---|
| **As = Solar absorptance** | 66.30% |
| **Rs = Solar reflectance** | 33.70% |
| **Ts = Solar transmittance** | 0.00% |

**Fabric + glazing: G-factor**

| | G | Te | Qi | SC |
|---|---|---|---|---|
| **Glazing A** | 0.09 | 0.00 | 0.09 | 0.11 |
| **Glazing B** | 0.07 | 0.00 | 0.06 | 0.09 |
| **Glazing C** | 0.03 | 0.00 | 0.03 | 0.06 |
| **Glazing D** | 0.03 | 0.00 | 0.03 | 0.10 |

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| **Visual contact with the outside** | Class 2 | Moderate effect |
| **Daylight utilisation** | Class 0 | Very little effect |

**Thermal comfort G-factor = Total solar energy transmittance**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 4 | Class 4 | Class 4 | Class 4 |

**Thermal comfort Qi-factor = Secondary heat transfer factor**

| Glazing A | Glazing B | Glazing C | Glazing D |
|---|---|---|---|
| Class 3 | Class 3 | Class 3 | Class 3 |

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect