

**Serge 600 - linen | linen (008008)**
**Technical info**
**FRONT**

**BACK**


|                                                |                     |                                               |
|------------------------------------------------|---------------------|-----------------------------------------------|
| <b>Widths</b>                                  |                     | 190 cm   220 cm   250 cm   270 cm   320 cm    |
| <b>Composition</b>                             |                     | Fibreglass 42% - PVC 58%                      |
| <b>Openness factor</b>                         | NBN EN 410          | 5.00%                                         |
| <b>Weight</b>                                  | NF EN 12127         | 525.00 g/m <sup>2</sup>                       |
| <b>Thickness</b>                               | ISO 5084            | 0.74 mm                                       |
| <b>Density</b>                                 | ISO 7211/2          | WARP 18.00 yarn/cm      WEFT 14.00 yarn/cm    |
| <b>Color fastness to artificial light</b>      | ISO 105 B02         | >7                                            |
| <b>Color fastness to artificial weathering</b> | ISO 105 B04         | >7                                            |
| <b>Air permeability</b>                        | ISO 9237            | 580.00 l/m <sup>2</sup> /s                    |
| <b>Roll length</b>                             |                     | 50 m / 30 m for all widths > 270 cm           |
| <b>Cleaning</b>                                |                     | With soapy water                              |
| <b>Confection</b>                              |                     | By heat, high frequency or ultrasonic welding |
| <b>Fire classification</b>                     |                     |                                               |
| └ Europe                                       | UNE-EN 13501-1:2007 | C-s3, d0                                      |
| └ France                                       | NF P92-503          | M1                                            |
| └ Italy                                        | UNI 9177            | Class 1                                       |
| └ Germany                                      | DIN 4102            | B2                                            |
| └ UK                                           | BS 5867             | C                                             |
| └ USA                                          | NFPA 701            | FR                                            |

| Serge 600 - linen   linen (008008)               |                      | Technical info      |                     |
|--------------------------------------------------|----------------------|---------------------|---------------------|
| <b>Tear strength</b>                             | ISO 4674-1 methode 2 |                     |                     |
| ↳ Original                                       |                      | WARP 8.50 daN       | WEFT 7.50 daN       |
| ↳ After climatic chamber -30°C                   |                      | WARP 7.80 daN       | WEFT 7.50 daN       |
| ↳ After climatic chamber +70°C                   |                      | WARP 8.20 daN       | WEFT 7.20 daN       |
| <b>Elongation up to break</b>                    | ISO 1421             |                     |                     |
| ↳ Original                                       |                      | WARP 3.10 %         | WEFT 2.75 %         |
| ↳ After color fastness to artificial light       |                      | WARP 4.00 %         | WEFT 2.90 %         |
| ↳ After colour fastness to artificial weathering |                      | WARP 3.50 %         | WEFT 2.80 %         |
| ↳ After climatic chamber -30°C                   |                      | WARP 3.00 %         | WEFT 2.50 %         |
| ↳ After climatic chamber +70°C                   |                      | WARP 2.85 %         | WEFT 2.50 %         |
| <b>Breaking strength</b>                         | ISO 1421             |                     |                     |
| ↳ Original                                       |                      | WARP 260.00 daN/5cm | WEFT 225.00 daN/5cm |
| ↳ After color fastness to artificial light       |                      | WARP 240.00 daN/5cm | WEFT 220.00 daN/5cm |
| ↳ After colour fastness to artificial weathering |                      | WARP 240.00 daN/5cm | WEFT 225.00 daN/5cm |
| ↳ After climatic chamber -30°C                   |                      | WARP 225.00 daN/5cm | WEFT 200.00 daN/5cm |
| ↳ After climatic chamber +70°C                   |                      | WARP 180.00 daN/5cm | WEFT 185.00 daN/5cm |

**Front - Interior**

Serge 600 - linen | linen (008008)

**Visual properties**

|                                        |        |
|----------------------------------------|--------|
| <b>Tv = Visual light transmittance</b> | 12.90% |
| <b>Tuv = UV transmittance</b>          | 5.80%  |

**Solar energetic properties**

|                                 |        |
|---------------------------------|--------|
| <b>As = Solar absorptance</b>   | 32.50% |
| <b>Rs = Solar reflectance</b>   | 52.50% |
| <b>Ts = Solar transmittance</b> | 14.90% |

**Fabric + glazing: G-factor**

|                  | <b>G</b> | <b>Te</b> | <b>Qi</b> | <b>SC</b> |
|------------------|----------|-----------|-----------|-----------|
| <b>Glazing A</b> | 0.43     | 0.13      | 0.30      | 0.50      |
| <b>Glazing B</b> | 0.43     | 0.11      | 0.32      | 0.57      |
| <b>Glazing C</b> | 0.40     | 0.09      | 0.31      | 0.68      |
| <b>Glazing D</b> | 0.26     | 0.05      | 0.21      | 0.82      |

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

**Visual comfort**

|                                        |         |                    |
|----------------------------------------|---------|--------------------|
| <b>Normal solar transmittance</b>      | Class 3 | Good effect        |
| <b>Glare control</b>                   | Class 0 | Very little effect |
| <b>Privacy night</b>                   | Class 1 | Little effect      |
| <b>Visual contact with the outside</b> | Class 3 | Good effect        |
| <b>Daylight utilisation</b>            | Class 2 | Moderate effect    |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 1          | Class 1          | Class 1          | Class 2          |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 1          | 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**

Serge 600 - linen | linen (008008)

**Visual properties**

|                                        |        |
|----------------------------------------|--------|
| <b>Tv = Visual light transmittance</b> | 12.90% |
| <b>Tuv = UV transmittance</b>          | 5.80%  |

**Solar energetic properties**

|                                 |        |
|---------------------------------|--------|
| <b>As = Solar absorptance</b>   | 32.40% |
| <b>Rs = Solar reflectance</b>   | 52.70% |
| <b>Ts = Solar transmittance</b> | 14.90% |

**Fabric + glazing: G-factor**

|                  | <b>G</b> | <b>Te</b> | <b>Qi</b> | <b>SC</b> |
|------------------|----------|-----------|-----------|-----------|
| <b>Glazing A</b> | 0.42     | 0.13      | 0.30      | 0.50      |
| <b>Glazing B</b> | 0.43     | 0.11      | 0.32      | 0.57      |
| <b>Glazing C</b> | 0.40     | 0.09      | 0.31      | 0.68      |
| <b>Glazing D</b> | 0.26     | 0.05      | 0.21      | 0.82      |

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

**Visual comfort**

|                                        |         |                    |
|----------------------------------------|---------|--------------------|
| <b>Normal solar transmittance</b>      | Class 3 | Good effect        |
| <b>Glare control</b>                   | Class 0 | Very little effect |
| <b>Privacy night</b>                   | Class 1 | Little effect      |
| <b>Visual contact with the outside</b> | Class 3 | Good effect        |
| <b>Daylight utilisation</b>            | Class 2 | Moderate effect    |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 1          | Class 1          | Class 1          | Class 2          |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 1          | Class 0          | Class 0          | Class 1          |

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

**Front - Exterior**

Serge 600 - linen | linen (008008)

**Visual properties**

|                                        |        |
|----------------------------------------|--------|
| <b>Tv = Visual light transmittance</b> | 12.90% |
| <b>Tuv = UV transmittance</b>          | 5.80%  |

**Solar energetic properties**

|                                 |        |
|---------------------------------|--------|
| <b>As = Solar absorptance</b>   | 32.50% |
| <b>Rs = Solar reflectance</b>   | 52.50% |
| <b>Ts = Solar transmittance</b> | 14.90% |

**Fabric + glazing: G-factor**

|                  | <b>G</b> | <b>Te</b> | <b>Qi</b> | <b>SC</b> |
|------------------|----------|-----------|-----------|-----------|
| <b>Glazing A</b> | 0.21     | 0.13      | 0.08      | 0.24      |
| <b>Glazing B</b> | 0.17     | 0.11      | 0.06      | 0.23      |
| <b>Glazing C</b> | 0.13     | 0.09      | 0.04      | 0.22      |
| <b>Glazing D</b> | 0.09     | 0.05      | 0.04      | 0.29      |

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

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 2          | Class 2          | Class 3          | Class 4          |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| 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

**Back - Exterior**

Serge 600 - linen | linen (008008)

**Visual properties**

|                                        |        |
|----------------------------------------|--------|
| <b>Tv = Visual light transmittance</b> | 12.90% |
| <b>Tuv = UV transmittance</b>          | 5.80%  |

**Solar energetic properties**

|                                 |        |
|---------------------------------|--------|
| <b>As = Solar absorptance</b>   | 32.40% |
| <b>Rs = Solar reflectance</b>   | 52.70% |
| <b>Ts = Solar transmittance</b> | 14.90% |

**Fabric + glazing: G-factor**

|                  | <b>G</b> | <b>Te</b> | <b>Qi</b> | <b>SC</b> |
|------------------|----------|-----------|-----------|-----------|
| <b>Glazing A</b> | 0.20     | 0.13      | 0.08      | 0.24      |
| <b>Glazing B</b> | 0.17     | 0.11      | 0.06      | 0.23      |
| <b>Glazing C</b> | 0.13     | 0.09      | 0.04      | 0.22      |
| <b>Glazing D</b> | 0.09     | 0.05      | 0.04      | 0.29      |

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

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| Class 2          | Class 2          | Class 3          | Class 4          |

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

| <b>Glazing A</b> | <b>Glazing B</b> | <b>Glazing C</b> | <b>Glazing D</b> |
|------------------|------------------|------------------|------------------|
| 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