



## Introduction

The ES-SDA report presents the results of the data properties of the shading product validated following a peer review process. It also gives further output on data properties of the shading product combined with 5 types of reference glazing. All data are also published on <http://www.es-so-database.com> where information is given on the validation procedure.

|  |   |
|--|---|
| In Use:  | Yes   |
| Manufacturer:                                      | Helioscreen   |
| Product Name:                                      | Serge 108101 grey-white side A  |
| Product Identification:                            | Helioscreen_SergÃfÂ©_108101F_O and<br>Helioscreen_SergÃfÂ©_108101F_I  |
| Product Classification:                            | 2.3.1 or 2.3.4  |
| Parallel:  | Parallel  |
| Clarity:   | Middle  |
| URL Product Instructions:                          | <a href="http://www.helioscreen.com">http://www.helioscreen.com</a>   |
| URL Image:   | <a href="http://www.helioscreen.com/en/fabric-s-finder/products/the-screen-essentials/serg%C3%A9/108101-grey-white/3/46.60.512.85#&amp;panell1-29">http://www.helioscreen.com/en/fabric-s-finder/products/the-screen-essentials/serg%C3%A9/108101-grey-white/3/46.60.512.85#&amp;panell1-29</a> |
| Product Colour Code:                               | 108101  |
| Material Description:                              | PVC-coated fiberglass fabric  |
| Product Position:                                  | Exterior or interior  |
| Material:  | PVC-coated fiberglass fabric  |
| Colour:  | Sun Exposed Face Grey - Room Exposed Face White   |
| Thickness:   | 0.80  |
| IR Transmittance:                                  | 0.03  |
| Heat Resistance :                                  | 0.0100  |
| Effective Emissivity of Inwardly Facing Face:      | 0.87  |
| Effective Emissivity of Outwardly Orientated Face: | 0.87  |
| Total Solar Transmittance:                         | 0.0443  |
| Sun Reflectance Outside:                           | 0.2713  |
| Sun Reflectance Inside:                            | 0.2713  |
| Total Visible Transmittance:                       | 0.0443  |
| Diffuse Visible Transmittance:                     | 0.0178  |
| Visible Reflectance:                               | 0.3060  |
| Light Reflection Factor:                           | 0.3060  |
| Thermal Transmittance:                             | 0.8   |
| Solar Energy Transmittance:                        | 0.55  |
| Thermal Transmittance Window with Closed           |   |



|   |  |
|---|--|
| Shutter:                                      | 0.8  |
| Shutter/Shading Device:                       | Shading Device                                     |
| gtot Internal:                                | 0.4582   |
| gtot External:                                | 0.0711   |
| gtot Integrated:                              | 0.1178   |
| gtot:   | 0.0711   |
| Shading Co-efficient:                         | 0.0817   |
| Shading Factor:                               | 0.1293   |
| Direct Solar Transmittance Internal:          | 0.0236   |
| Direct Solar Transmittance External:          | 0.0242   |
| Direct Solar Transmittance :                  | 0.0242   |
| Light Transmittance Internal:                 | 0.0340   |
| Light Transmittance External:                 | 0.0348   |
| Light Transmittance:                          | 0.0348   |
| Class for Glare Control:                      | 3  |
| Class for the Use of Light:                   | 0  |
| Class for Visual Contact with the<br>Outside: | 2  |
| Class for Night Privacy:                      | 2  |
| NF Certification:                             | M1   |
| Various Certificates:                         | NFPA 701: FR; DIN 4102: B1; EN<br>13501-1: C-s3,d0 |