



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 Helioscreen_SergÃfÂ©_108101F_I
Product Classification:	2.3.1 or 2.3.4
Parallel:	Parallel
Clarity:	Middle
URL Product Instructions:	http://www.helioscreen.com
URL Image:	http://www.helioscreen.com/en/fabric-s-finder/products/the-screen-essentials/serg%C3%A9/108101-grey-white/3/46.60.512.85#&panell1-29
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:	1.2
Solar Energy Transmittance:	0.59
Thermal Transmittance Window with Closed	



Shutter:	1.2
Shutter/Shading Device:	Shading Device
gtot Internal:	0.4800
gtot External:	0.0897
gtot Integrated:	0.1603
gtot:	0.0897
Shading Co-efficient:	0.1031
Shading Factor:	0.1521
Direct Solar Transmittance Internal:	0.0234
Direct Solar Transmittance External:	0.0245
Direct Solar Transmittance :	0.0245
Light Transmittance Internal:	0.0365
Light Transmittance External:	0.0379
Light Transmittance:	0.0379
Class for Glare Control:	3
Class for the Use of Light:	0
Class for Visual Contact with the Outside:	2
Class for Night Privacy:	2
NF Certification:	M1
Various Certificates:	NFPA 701: FR; DIN 4102: B1; EN 13501-1: C-s3,d0