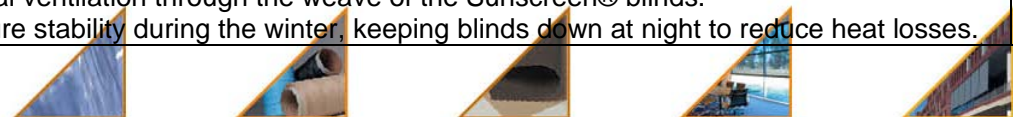


BRE Environmental Assessment Method (BREEAM) Contributions of Shades with Enduris™ Glass Core

BREEAM is the leading and most widely used environmental assessment method for buildings. Credits earned through the BREEAM program apply to building certification only, but the advantages of using Enduris™ Glass Core shading fabrics can contribute to the necessary credit totals required to achieve these high-performance ratings. Specification of Enduris™ Glass Core shading fabrics can contribute to over 25 credits.

5.0 HEALTH & WELL BEING	
HEA 1 DAYLIGHTING VISUAL COMFORT	1 credit
<p>Sunscreen® blinds made with with Enduris™ Glass Core provide building users with sufficient access to daylight.</p> <p>Sunscreen® fabrics enable optimization and diffusion of the natural light within a building to enhance the comfort and productivity of the occupants.</p> <p>Sunscreen® blinds made with Enduris™ Glass Core provide transparency and clear normal vision through the blinds while eliminating direct and indirect glare or avoiding visual incapacity or visual fatigue.</p>	
HEA 2 VIEW OUT	1 credit
<p>Sunscreen® blinds made with Enduris™ Glass Core's transparent weave enables occupants to refocus their eyes from close work and look to an external view.</p> <p>Sunscreen® fabrics emphasize the external view while they preserve the privacy of the building occupants. (Providing clear and normal views out, while not being seen from the outside of the building.)</p>	
HEA 3 GLARE CONTROL	1 credit
<p>Sunscreen® blinds with Enduris™ Glass Core reduce problems associated with glare thanks to highly reflective surfaces and colors.</p>	
HEA 8 INDOOR AIR QUALITY	1 credit
<p>Sunscreen® blinds made with Enduris™ Glass do not contain heavy metals (lead, cadmium, mercury). Comply with REACH regulation on the chemical substances and formulations and do not contain any substances regulated by the Dangerous Substances Directive 2004/42/CE, which could cause harm to people by inhalation or contact.</p> <p>When Sunscreen® blinds made with Enduris™ Glass Core are rolled down, the open weave of the fabrics facilitates the circulation of air.</p>	
HEA 9 VOLATIL ORGANIC COMPOUND	1 credit
<p>Sunscreen® blinds made with Enduris™ Glass Core meet the most stringent certificates concerning Indoor Air Quality, limiting emission of VOCs (Volatile Organic Compounds). GREENGUARD 1 & GREENGUARD Children and Schools CertifiedSM.</p>	
HEA 10 THERMAL COMFORT	1 credit
<p>Sunscreen® blinds made with with Enduris™ Glass Core contribute to a pleasant indoor air temperature and help improve the well-being and productivity of building occupants.</p> <ul style="list-style-type: none"> • Ensure a minimal level of thermal comfort in glass buildings: up to 95% of solar energy is reflected by external Sunscreen® blinds with the glazing (g value gv /solar heat gain=0,32 (EN 14501)). Without air conditioning, external Sunscreen® blinds can decrease the indoor temperature of a room from 5 to 15°C. • Solar heat gain is managed and dramatically filtered by shades. • Cooling equipment and cooling loads can be rationalized. • Natural ventilation through the weave of the Sunscreen® blinds. <p>Temperature stability during the winter, keeping blinds down at night to reduce heat losses.</p>	



HEA 10 THERMAL ZONING	1 credit
Sunscreen® blinds made with Enduris™ Glass Core can be individually controlled by the building occupants.	
HEA 13 ACOUSTIC PERFORMANCE	1 credit
Acoustis sound damping fabric can be used in blinds, stretched ceilings & walls to provide an efficient sound absorption and reduce the echo or noisy areas.	
6.0 ENERGY	
ENE 1 REDUCTION OF CO2 EMISSIONS	15 credits
<p>The integration of Sunscreen® blinds with Enduris™ Glass Core into a building design helps reduce primary energy consumption during both winter and summer.</p> <ul style="list-style-type: none"> • Blinds act as a thermal barrier to avoid or limit the usage of air conditioning during the summer (cutting up to 60% of the air conditioning costs), and during the winter by avoiding heat loss at night thanks to insulating effects of shade fabric at the window. • Decrease the artificial lighting thanks to optimized natural light management, ensuring visual comfort by filtering glare. • The open weave of the fabrics facilitates natural air flow between the blind and the glazing to limit accumulation of heat at the windowed wall. <p>Consequently, Sunscreen® fabrics can contribute to reduce energy use and resulting greenhouse gases.</p>	
Minimum BREEAM number of credits : 1 for excellent and outstanding grade BREEAM rating	
13.0 INNOVATION	
IN1 INNOVATION	10 credits
<p>LEADING CHARACTERISTICS - REDUCTION OF CO2 EMISSIONS</p> <ul style="list-style-type: none"> • The eco-friendly XLScreen Nature™ has the lowest COVs due to its specific glass fiber composition and best possible result in terms of fire classification, smoke emission toxicity: (A2,s1,d0 / M0 / F0). <p>LEADING CHARACTERISTICS - MATERIALS SPECIFICATION</p> <ul style="list-style-type: none"> • Due to their high glass composition, Mermat Sunscreens have a low heat release and comply with the most stringent European fire classifications (M1, B1, BS, Euroclass). • Our fabrics can be installed on systems with easy access for cleaning and maintenance. Fabrics can be cleaned directly on the blind without dismantling the systems or structure or disturbing the occupants of the building • External Sunscreen® blinds can even be cleaned with high pressure water directly on the blind during the cleaning of the façades. 	
TOTAL	26 credits

