

LEED is a North American third-party certification program and the nationally accepted benchmark for the design, construction and operation of high-performance green buildings. Credits earned through the USGBC's LEED program apply to certification only of a building, but using Enduris™ Glass Core fabrics as part of a shading system can contribute to the point totals required to achieve these ratings.

LEED CONTRIBUTIONS OF SHADES WITH ENDURIS GLASS CORE New Construction and Major Renovations (Version 3 - 2009)

SUSTAINABLE SITES	26 PTS
Credit 8 – Light Pollution Reduction	
Screen blinds made with Enduris™ Glass Core can be pulled down at night to minimize luminance problems generated by artificial lighting. Enduris™ Glass Core offer a wide range of solutions, from total black-out to translucent fabrics.	
WATER EFFICIENCY	10 PTS
NOT APPLICABLE	
ENERGY AND ATMOSPHERE	35 PTS
Credit 1 – Optimize Energy Performance	
The integration of screen blinds with Enduris™ Glass Core in the building design can help to reduce primary energy consumption during the winter and summer: <ul style="list-style-type: none"> • Shades act as a thermal shield to avoid or limit the usage of air conditioning during the summer (lowering air conditioning costs by up to 60%), and during the winter by avoiding heat loss at night thanks to the layer of fabric. • Decrease the artificial lighting thanks to an optimized natural light management and blocking glare that creates visual stress and ensures visual comfort. • 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. Consequently, Sunscreen® fabrics can contribute to reduce energy use and resulting greenhouse gases.	
MATERIALS AND RESOURCES	14 PTS
Credit 5 –Regional Materials	
Mermet produces Enduris in France to serve the European market. Helioscreen in Lokeren (Belgium) also serves the European market. Mermet USA produces in Cowpens, South Carolina, for North America and Latin America.	
INDOOR ENVIRONMENTAL QUALITY	15 PTS
Credit 2 – Increased Ventilation	
When rolled down, the open weave in screen blinds with Enduris™ Glass Core facilitates the circulation of air.	
Credit 5 – Indoor Chemical and Pollutant Source Control	
Screen blinds with Enduris™ Glass Core meet the most stringent certificates concerning Indoor Air Quality: VOCs (Volatile Organic Compounds) emissions limited: GREENGUARD Children & Schools Certified SM . Helioscreen and Mermet® fabrics comply with REACH regulation in Europe on the chemical substances and formulations in Europe.	
Credit 6.1 – Controllability of Systems - Lighting	
Screen blinds made with with Enduris™ Glass Core optimize the diffusion of natural light, resulting in improved productivity, comfort and well-being of the building occupants. These fabrics filter natural light to limit direct and indirect glare while preserving the view. Shades can be automated for both individual and group control.	
Credit 6.2 – Controllability of Systems – Thermal Comfort	
Screen blinds with Enduris™ Glass Core achieve thermal protection during all seasons to	



Sustainable performance, leading design and proven durability in shading fabrics

create ideal working conditions. Shades can be automated for both individual and group control. www.EndurisGlassCore.com	
Credit 7.1 – Thermal Comfort – Design	
Screen blinds made with Enduris™ Glass Core contribute to create a pleasant indoor air temperature and improve the well-being and productivity of the building occupants: <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 controlled because it limits heat flow to nearby glazing areas. • Cooling equipment and cooling loads can be rationalized. • Natural ventilation through the pores of the Sunscreen® blinds. • Temperatures stability during the winter: blinds rolled down at night to avoid heat losses. 	
Credit 8.1 – Daylight and Views – Daylight	
Screen blinds made with Enduris™ Glass Core enable the optimization and diffusion of natural light within a building for the comfort and productivity of the occupants. These fabrics provide real transparency and clear normal vision through the blinds while eliminating direct and indirect glare to minimize visual fatigue.	
Credit 8.2 – Daylight and Views – Views	
Screen blinds made with Enduris™ Glass Core emphasize the external view while they preserve the privacy of the building occupants.	
INNOVATION AND DESIGN PROCESS	6 PTS
Credit 1 – Innovation in Design – Several widths	
The founders of Enduris™ Glass Core offer the largest range of screen fabrics with several widths to optimize manufacturing efficiency and reduce waste.	
Credit 2 – Innovation in Design – Careless (or Carefree?) maintenance	
Enduris™ Glass Core fabrics can be installed on systems with easy access for cleaning and maintenance. The fabrics can be cleaned directly on the blind without dismantling the systems or structure or disturbing the occupants of the building. External screen blinds can be cleaned with high pressure water directly on the blind during the cleaning of the façades.	
Credit 3 – Innovation in Design – Health and Safety	
Due to their high composition of glass fibers, Enduris™ Glass Core screen blinds have a low heat release and comply with the most stringent European fire classifications (M1, B1, BS, Euroclass).	
REGIONAL PRIORITY CREDITS	4 PTS
NOT APPLICABLE	
TOTAL	110 PTS

