

Environmental Benefits of Fabrics with Enduris™ Glass Core Technology

Energy Efficiency	<ul style="list-style-type: none"> ▪ Complies with the European Energy Performance of Building Directives ▪ Meets worldwide Green Buildings requirements : LEED (USA), HQE (France), BREEAM (UK), MINERGIE (Switzerland), PASSIVHAUS (Germany) ▪ Outdoor screen blinds have the best thermal comfort (up to class 4, EN 14501 according to references) ▪ Indoor screen blinds have a very good effect on thermal comfort (up to class 4, EN 14501 according to references) ▪ Passive beneficial outdoor solar protection: eliminate up to 90% of solar radiation ▪ Indoor temperature drop from 5°C to 15°C Reduction of energy loss at night through the windows Reduction in air conditioning usage by up to 63% with external blinds or 33% with internal blinds Facilitates air flow ▪ Filters up to 97% of UV ▪ Optimal natural lighting whilst eliminating glare (reduction of light transmittance by up to 97%), so less use of artificial lighting is required
Environmental impact	<ul style="list-style-type: none"> ▪ Reduced smog-forming potential ▪ Reduced greenhouse gases and ozone depletion from users, due to energy savings ▪ Final liquid wastes are recycled or become energy substitutes ▪ Low maintenance due to easy care ▪ Long life duration up to 20 years & high resistance to changes in heat and humidity ▪ Eco packaging: Plastic wrap and wooden crates are reused, cardboard boxes are 100% recycled ▪ Industrial screen wastes are recycled into eco-design products ▪ Fabric discards are reused in sampling
Resource depletion & efficiency	<ul style="list-style-type: none"> ▪ Glass-fibre yarns come from natural & abundant materials ▪ 57% of PVC coatings are salt-based, consuming less petroleum for manufacture than many other polymers ▪ Reduced use of non-renewable energy & low water consumption during manufacturing
Health Benefits	<ul style="list-style-type: none"> ▪ Low/reduced off-gassing – Certified by GREENGUARD and ÖKOTEX Standard 100, helping maintain indoor air quality ▪ Meets stringent European fire standards ▪ No harmful heavy-metal content such as lead, chromium ▪ Glare control : outdoor & indoor screen blinds have a good effect on visual comfort avoiding eye fatigue (up to class 3, EN 14501 according to references)

A tradition of bringing breakthrough fabrics to market makes Helioscreen, Hexcelscreen, and Mermet the choice for an array of innovative solutions for sustainable buildings. Visit www.helioscreen.com, www.hexcelscreen.com, www.sunscreen-mermet.com, to discover the entire line of screen fabrics made with Enduris™ Glass Core technology.