SYSTEXX PRODUCT INFORMATION FOR LEED APS

Sustainable building in the context of the LEED 2009 assessment system, category "New Construction and Major Renovations"

The present information serves LEED APs as a convenient summary of the relevant contribution of SYSTEXX products within the categories of the LEED assessment system.

Thus Vitrulan facilitates your practical buildings certification work: Troublesome seeking in redundant categories is dropped. You can find all relevant information at a glance.

The guidelines of the United States Green Building Council (USGBC) explicitly state that products with certain features qualify for the attainment of points for project certification within the Leadership in Energy and Environmental Design (LEED) assessment system. SYSTEXX wall and ceiling coverings made of glass yarns qualify due to their specific features in the following categories:

Materials and Resources Credits

MR Credit 4: Recycled Content

Objective in the context of LEED	Requirements	Product rating
Increased employment of products from recycled materials in order to reduce environmental pollution from the extraction and processing of primary raw materials.	Employment of products with a share of recycled materials.	**The product consists at 0 % of post-consumer and at 10 % of pre-consumer recycled materials and adds to the attainment of LEED points under MR Credit 4 "Recycled Content".**

Evidence and documentation:
The attached manufacturer's declaration states the post-consumer and pre-consumer recycling shares according to DIN 14021.

Stand: 29.01.2013

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MR Credit 6: Rapidly Renewable Materials

Objective in the context of LEED	Requirements	Product rating
Reduction of the consumption of limited or slowly renewable resources by employment of rapidly renewable resources.	Employment of rapidly renewable resources which amount to at least 2.5 % of total material expenses in the entire project. Those substances are rapidly renewable that can be harvested within 10 years' time.	The coating of the wallpaper consists of resin dispersions composed of modified potato starch as well as polymers dispersed in water, such as acrylate, polyvinyl acetate, and EVA types. Potato starch is a rapidly renewable raw material. **The product consists at 10 % or 23 % (for coverings featuring water activatable adhesive coating on the backside) of rapidly renewable raw materials (potato starch) and adds to the attainment of an LEED point under MR Credit 6 "Rapidly Renewable Material".**

Evidence & documentation:
You will find all necessary data about documentation in the manufacturer's declaration attached.

Indoor Environmental Quality

IEQ Credit 3.2: Construction IAQ Management Plan—Before Occupancy

Objective in the context of LEED	Requirements	Product rating
Reduction of pollutants in the indoor air which impair the well-being of workers and users by smells, irritations, or harmful ingredients.	Indoor room air measurements after completion of the building must reach indoor air concentrations for VOC < 500 µg/m³ and formaldehyde < 27 ppm. This requires employment of low-emission materials.	Certification by Oeko-Tex Standard 100 according to product class I (products for babies). Thus the product reduces emissions into the room. Moreover, emissions of 0.1 mg/m² VOC after 28 days according to the Committee for Health-related Evaluation of Building Products (AgBB) are undercut. **Thus the product adds to the attainment of points in IEQ Credit 3.2 "Construction IAQ Management Plan-Before Occupancy", as indoor air must be measured after completion of the building and falling below of VOC concentrations and formaldehyde must be proven.**

Evidence & documentation:
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IEQ Credit 4.1: Low-Emitting Materials—Adhesives and Sealants

Objective in the context of LEED	Requirements	Product rating
Reduction of pollutants in the indoor air which impair the well-being of workers and users by smells, irritations, or harmful ingredients that are caused by adhesives and sealing materials applied at the building site.	All adhesives, sealing materials, and sealing sand-and-prime applied indoors – within weather protection – on the building site must fall below of VOC limits according to SCAQMD Rule 1168.	For glass fibre adhesives, a VOC content when ready for use (less water) according to SCAQMD Rule 1168 of 80 g/l is admissible. This content is undercut. **The product meets the requirements for adhesives and sealing materials and adds to the attainment of an LEED point under IEQ Credit 4.1.**

Evidence and documentation:
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