

SWISSPEARL

Positive impact on your international LEED project



Choose Swisspearl in your sustainable building

LEED is a voluntary American sustainability certification scheme for buildings. It is comprehensive, flexible and applicable to buildings at any stage in their life cycles.

Swisspearl build & indoor* products are evaluated in 8 categories; Location and Transportation, Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, Innovation and Regional Priority.

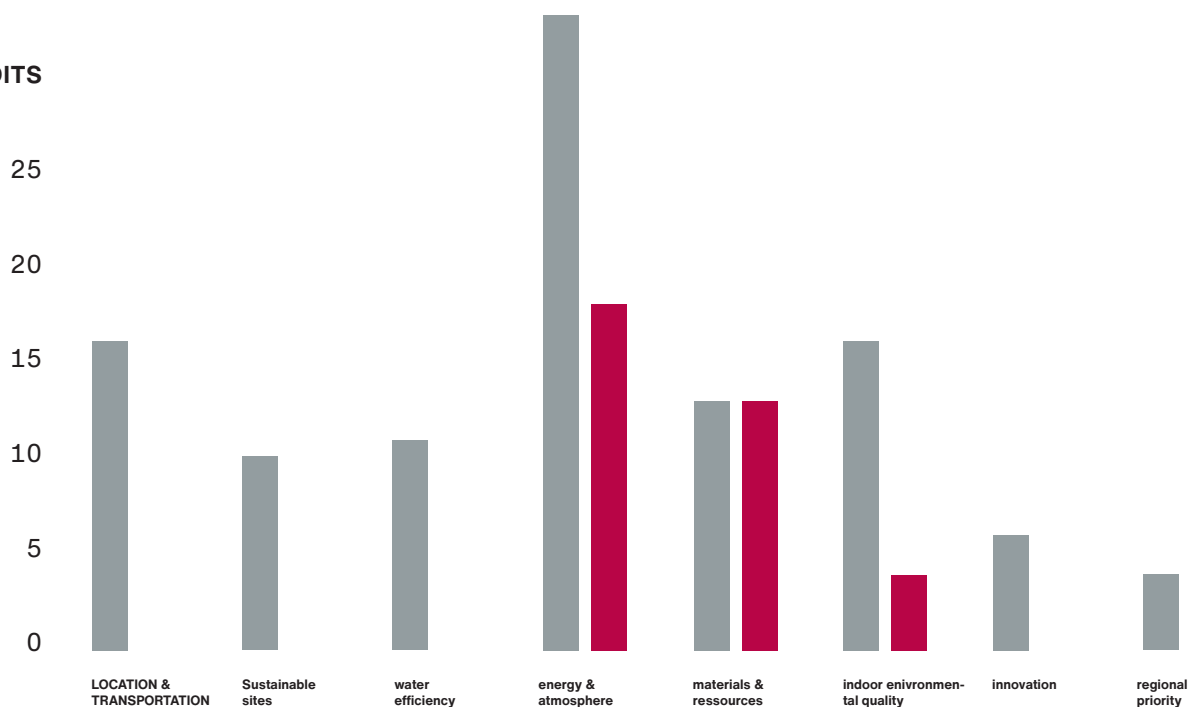
Construction products contribute to some of the categories, and a building in its entirety is assessed in relation to all categories. Some criteria require product as well as project specific data

Swisspearl build & indoor* products contribute to the LEED International certification in the categories; Energy and Atmosphere, Materials and Resources and Indoor Environmental Quality.

Swisspearl's contribution to these categories is based on our internal requirements to lower energy and water use, recycling production waste and wastewater as well as meeting the requirement for an environmental friendly indoor product. Swisspearl build & indoor* boards are designed for robustness. The raw material composition makes the fibre cement boards a light weight and exceptionally strong and durable product.

LEED categories
 Swisspearl's positive impact

CREDITS



Contribution to LEED certification

Energy & Atmosphere

Swisspearl build & indoor* products contribute to the quality of the building envelope. Thanks to the fibre reinforcement, our build & indoor* products are exceptionally thin and light weight in relation to the strength of the products.

When using Swisspearl build & indoor* products as part of the construction, the building envelope is ventilated through an opening at the bottom of the products, which ensures that unobstructed ventilation is possible throughout the facade. These properties contribute to less energy consumption and environmental impacts in combination with reduced costs for energy use.

Cembrit Windstopper products have a very low vapor transmission resistance enabling moisture from inside the building to pass through.

Materials & Resources

At Swisspearl, we continuously focus on reducing emission related impacts on the environment to keep consumption of non-renewable resources to a minimum across all stages of the building's life cycle. The durability, robustness and long product lifetime helps building owners achieve low total Life Cycle Costs (LCC) throughout the building's lifetime with less or no aftercare. We deliver data for the Life Cycle Assessment (LCA) of a building through our 3rd party verified Environmental Product Declaration.

Swisspearl strive to be a socially responsible company in relation to effects on nature and on local and global communities from business activities. Swisspearl do not use forced labour nor do we make use of child labour in any of our operations.

We report our environmental impact from extraction, operations and activities associated with our product and the product supply chain. The procured cellulose in Swisspearl build & indoor* products have certified chain of custody, e.g. FSC or PEFC Certification. Our Code of Conduct outlines a set of principles and minimum standards regarding ethical behaviour and social responsibility.

*) Build & Indoor covers the Swisspearl products Construction, Cembrit Windstopper Extreme, Cembrit Windstopper Basic for Build products and Multi Force for Indoor products.



Swisspearl focus on production with low energy consumption and environmental impacts.



Swisspearl strives to minimise transportation of raw materials and to lower CO₂ emissions from transport where possible.

Swisspearl build & indoor* boards do not contain hazardous substances. All main raw materials used in the production, are documented and supervised through testing. Our products do not contain substances listed in the 'Candidate List of Substances of Very High Concern for Authorisation', and are living up to the current REACH policies.

Swisspearl build & indoor* boards have a life time of 30 years or more, contributing to a low Total Life Cycle Cost (LCC). The composition of fibres and cement-based materials provides a unique combination of lightness, technical performance and exceptional strength and a product that is remarkably robust and durable. Our build & indoor* products are non-combustible with a reaction to fire class A1 for indoor products and A2-s1, d0 for build products.

Swisspearl build & indoor* boards can easily be removed in a non-destructive way, separated from other materials, sorted, recycled or even reused with the highest possible quality of reuse and recycling – and thereby avoid sending the products to landfill.



Swisspearl build & indoor* products are produced without hazardous substances.

Indoor environmental quality

The combination of high density and stiffness provides high sound insulation performance between rooms. It also provides e.g. workspaces and classrooms that promote occupants' well-being, productivity and communication through the effective acoustic design.

Our indoor products are classified as a low-emitting building material, documented in a M₁ certification – a classification which sets limit values for the emission of VOC, formaldehyde and ammonia. It also sets limit values for chemical emission and odour deriving from the product into the indoor air.



Vasakronans Priorn, Malmö, Sweden.

LEED rating: Platinum



Construction year: 2019

Product:

Cembrit Windstopper Extreme

The vision in the Priorn building, located near the Triangle station in Malmö, is a centre created based in the vision to build with the highest environmental class and certified according to LEED Platinum.

One of the focus' in the project, was choosing environmental friendly materials. Swisspearl delivered Cembrit Windstopper Extreme as part of the construction structure.

Swisspearl build & indoor* products – criteria impact



**ENERGY &
ATMOSPHERE**

EA 2 (18 Credits)
Optimize Energy Performance



**MATERIALS &
RESOURCES**

MR 1 (5 Credits)
Building Life-Cycle Impact Reduction

MR 2 (2 Credits)
Building Product Disclosure
and Optimization
– Environmental Product Declarations

MR 3 (2 Credits)
Building Product Disclosure and
Optimization – Sourcing of Raw Materials

MR 4 (2 Credits)
Building Product Disclosure and
Optimization – Material Ingredients

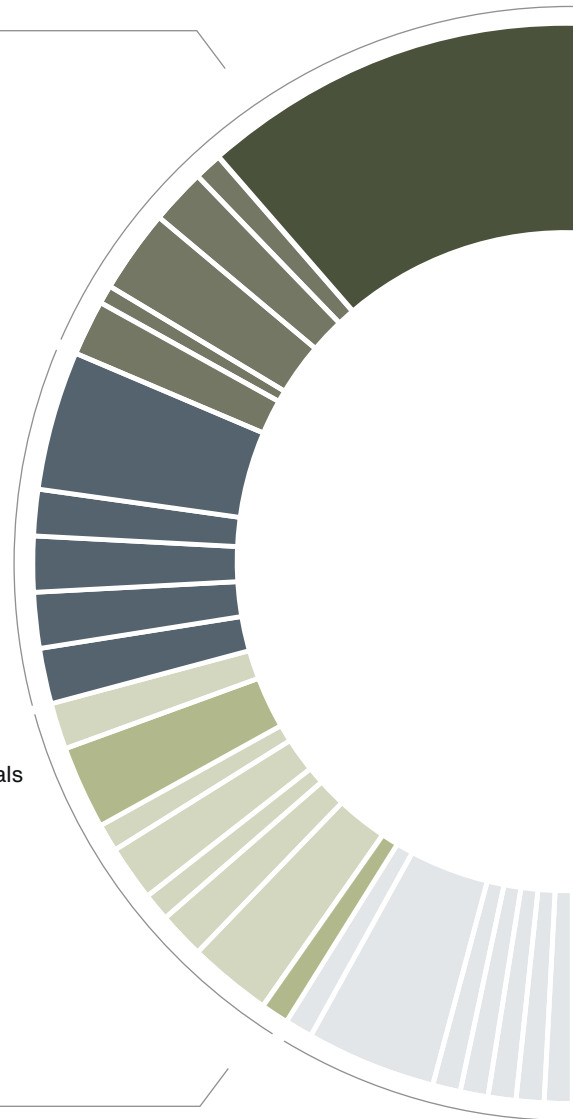
MR 5 (2 Credits)
Construction and Demolition
Waste Management



**INDOOR
ENVIRONMENTAL
QUALITY**

EQ 1 (3 Credits)
Low-emitting materials

EQ 9 (1 Credits)
Acoustic Performance





The LEED International scheme for building design and construction provides a third party green building certification assessment that is flexible and applicable to buildings at any stage in their life cycle. New construction, ongoing operations, maintenance of existing buildings as well as comprehensive tenant retrofits of commercial buildings are addressed by LEED rating systems.

Swisspearl build & indoor* products positively impact the highlighted criteria in accordance with the LEED International manual for building design and construction, 2013.

Credits in LEED are optional strategies or elements that projects can pursue to gain points towards LEED certification. Each credit is based on the environmental impacts and human benefits of the building-related impacts that are addressed.

Positive Impact.

Swisspearl build & indoor* products will positively impact up to 35 credits of the overall score in a LEED International project. Credits available for a LEED International project are assessed individually for each project.



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