

SWISSPEARL

Positive impact on your BREEAM NOR project



Choose Swisspearl for your sustainable building

BREEAM is based on a holistic assessment, and it is a voluntary Sustainability Certification rating scheme for the built environment. It is developed in UK and adapted to the Norwegian building code as BREEAM NOR.

Swisspearl build & indoor* products are evaluated in 10 categories; Management, Health and Well-being, Energy, Transport, Water, Materials, Waste, Land use and ecology, Pollution and Innovation. The sustainability performance of a building is evaluated on specific criteria within each of these categories.

The BREEAM NOR scheme, New Construction, provides a Sustainable Built Environment framework that helps clients manage and mitigate risk through demonstrating sustainability performance during all building phases.

It offers the possibility to calculate the LCA and LCC of the total building at all building stages and serves as a decision tool to optimise the building according to the requirements as well as altering the choice of material for the final certification.

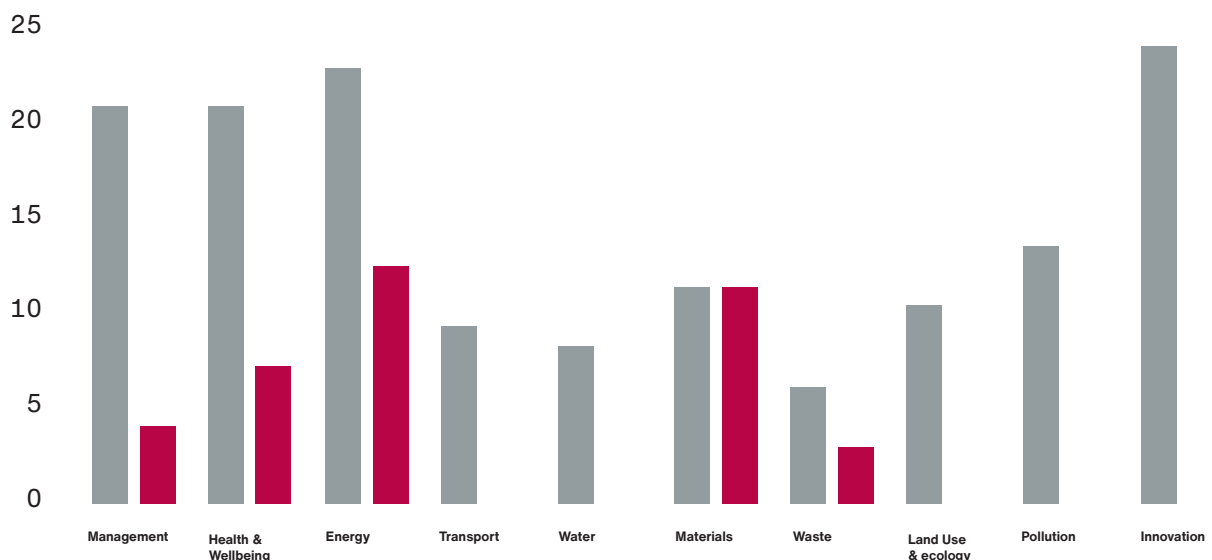
Swisspearl build & indoor* products contribute to the BREEAM NOR certification in the Management, Health and Wellbeing, Energy, Materials and Waste categories.

Our contribution in these categories is the high transparency on the life cycle assessment (LCA) as well as the long lifetime and low maintenance of Swisspearl build & indoor* products which lowers the operational energy and costs in the building's lifetime.

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.

BREEAM category
 Swisspearl's positive impact

CREDITS



Contribution to BREEAM NOR

Management

Swisspearl build & indoor* products contribute to embedding sustainability actions through the management and design stages, e.g. with 3rd party verified Environmental Product Declarations (EPD), documentation and detailed guidance on our products.

Our products encourage sustainable management with products which are strong and require none or very little maintenance. This results in none or few costs associated with operation and contributes to reduced Life Cycle Cost which supports an economically sustainable design. The durability, robustness and long product lifetime help building owners achieve low Total Life Cycle Costs (LCC) throughout the building's lifetime with no aftercare.

Health and wellbeing

Swisspearl Indoor* products set limit values for the emission of VOC, formaldehyde and ammonia through a M₁ certification. Through this certification, chemical emission and odour deriving from the product and into the indoor air are documented.

Swisspearl build & indoor* products ensure the building's acoustic performance. The combination of high density and stiffness provides a high sound insulation performance and contributes to good room acoustics and soundproofing between rooms, which are documented according to harmonised standards.

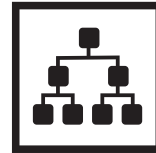
Energy

Swisspearl build & indoor* products are maintenance-free, and the low weight enables an energy efficient design. Our production facilities continuously improve processes to lower energy consumptions and environmental impacts while at the same time reducing costs for energy as well as operating costs in the building's lifetime. Swisspearl build* products are mounted in a ventilated facade structure with a ventilation gap at the bottom of the facade.

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

Our Swisspearl Multi Force boards is resistant to both rot and mould, which makes them high quality multi-purpose boards for indoor use.

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



Swisspearl build & indoor* boards contribute to embedding sustainability actions in the management and design stages.



Swisspearl indoor* products contribute to a healthy internal environment, without hazardous substances and odour.



Swisspearl production facilities continuously improve processes to lower energy consumptions.



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



Swisspearl build & indoor* boards have a low risk to the environment during the product lifetime.

Materials

At Swisspearl, we constantly 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. We can deliver data for the Life Cycle Assessment of a building through our 3rd party verified Environmental Product Declaration.

We report our environmental impact from extraction, operations and activities associated with our product and the product supply chain. Our Code of Conduct outlines a set of principles and minimum standards regarding ethical behaviour and social responsibility.

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

Swisspearl build & indoor* boards are long-lasting products with little service need and an expected lifetime of 30 years or more. 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.

Swisspearl build & indoor* boards are easily dismantled in a non-destructive way simply by removing the mounting screws and installing a new board when using the recommended mounting screws from Swisspearl.

All cement and mineral fillers are extracted locally and delivered directly to Swisspearl factories. The procured cellulose in Swisspearl build & indoor* products have certified chain of custody, e.g. FSC or PEFC Certification.

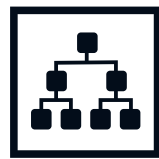
Load-bearing structures and performance of individual materials have a significant impact on the fire safety of a building. Swisspearl build & indoor* products are non-combustible with a reaction to fire class A1 for Indoor* products and A2-s1, d0 for build* products.

Waste

Swisspearl build & indoor* products can easily be removed and separated from the building construction. This increases the possibility of reuse in a similar function or with the highest possible quality of recycling the product in a similar function.

When installed correctly and in compliance with Swisspearl installations manuals and guidelines, we have focus to avoid sending the products to landfill.

Swisspearl build & indoor* products – criteria impact



MANAGEMENT

MAN 0.2 (4 Credits)
Life cycle cost and service life planning



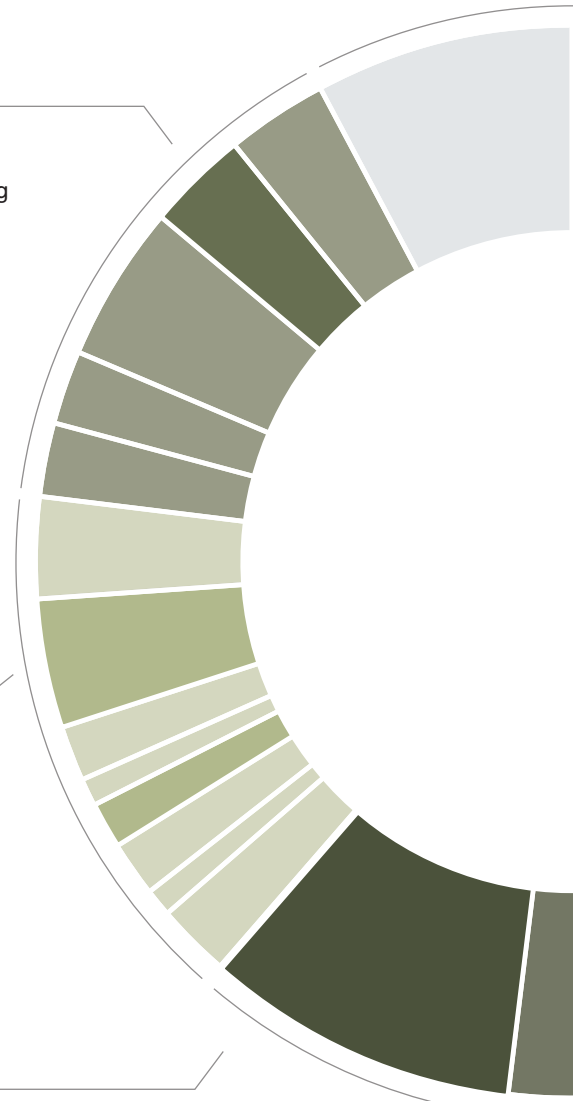
HEALTH AND
WELLBEING

HEA 0.2 (5 Credits)
Indoor air quality
HEA 0.5 (2 Credits)
Acoustic performance



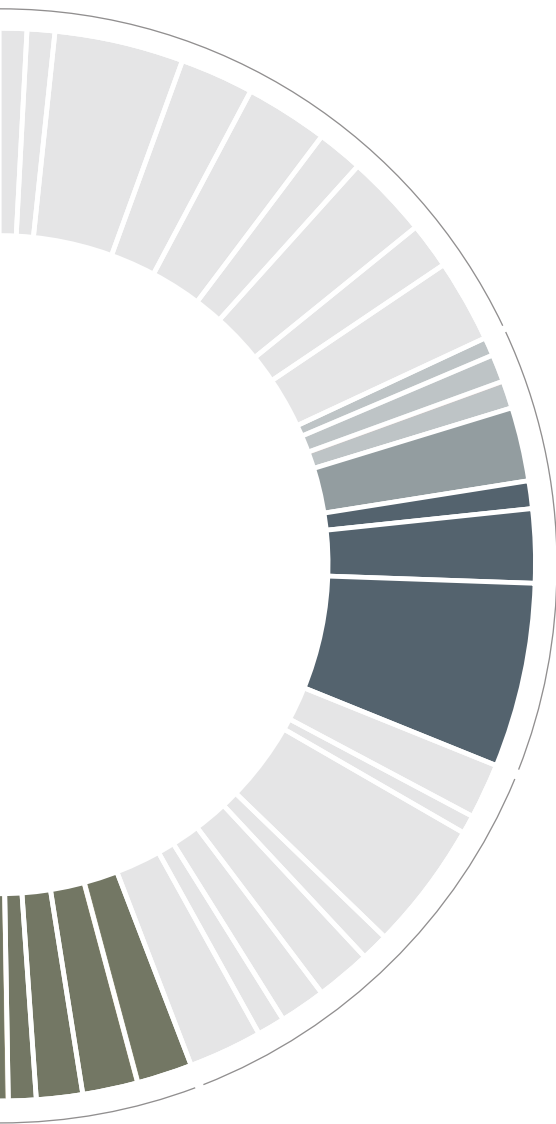
ENERGY

ENE 0.1 (12 Credits)
Energy efficiency



BREEAM NOR New Construction scheme provides an independent 3rd party verified assessment on the sustainability performance of an individual new building and the surrounding environment. The system also focuses on improving the economic and social impact of the building during its lifetime in a cost-effective manner.

Swisspearl build & indoor* boards positively impact the highlighted criteria according to the BREEAM NOR manual for New Construction, 2016



WST 0.1 (3 Credits)
Construction waste management



WASTE

MAT 0.1 (7 Credits)
Life cycle impacts

MAT 0.3 (3 Credits)
Responsible sourcing of materials

MAT 0.5 (1 Credits)
Designing for durability



MATERIALS

Positive Impact.

Swisspearl build & indoor* products will positively impact up to 37 credits of the overall score in a BREEAM NOR project. Credits available for a BREEAM NOR project are assessed individually for each project.



Swisspearl Group AG

Eternitstrasse 3
8867 Niederurnen
Switzerland
T: + 41 55 617 11 60
info@swisspearl.com

swisspearl.com