

CENBRIT

Cembrit Build and Indoor.
Positive impact on your
BREEAM NOR project.



Choose Cembrit for your sustainable building

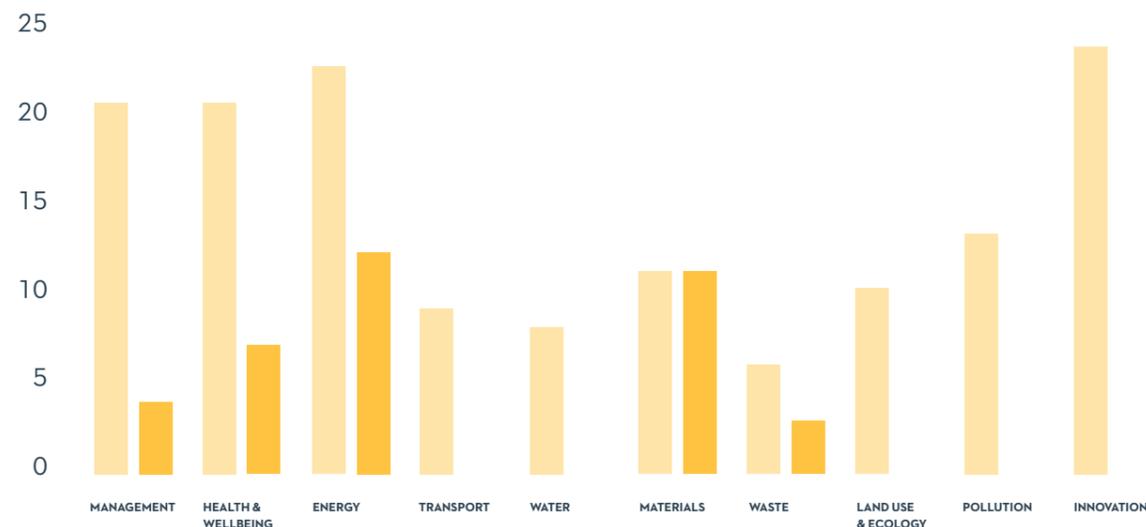
BREEAM is based on a holistic assessment, and it is a voluntary Sustainability Certification rating scheme for the built environment. It is developed in UK and adapted to the Norwegian building code as BREEAM NOR.

Cembrit build and indoor products are evaluated in 10 categories; Management, Health and Wellbeing, 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.

■ BREEAM category
■ Cembrit's positive impact

CREDITS



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.

Cembrit build and 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 Cembrit build and indoor products which lowers the operational energy and costs in the building's lifetime.

Cembrit build and indoor boards are designed for robustness. The raw material composition makes the fibre cement boards a light weight and exceptionally strong and durable product.

Contribution to BREEAM NOR

MANAGEMENT

Cembrit build and indoor products contribute to embedding sustainability actions through the management and design stages, e.g. with 3rd party validated 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 WELLBEEING

Cembrit 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.

Cembrit build and 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

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



Cembrit facade boards contribute to embedding sustainability actions in the management and design stages.



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



Cembrit production facilities continuously improve processes to lower energy consumptions.



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

MATERIALS

At Cembrit, 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.

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

Cembrit build and indoor boards are long-lasting products with little service need and an expected lifetime of 40-60 years. 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.

Cembrit build and 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 Cembrit.

All cement and mineral fillers are extracted locally and delivered directly to Cembrit factories. The cellulose in Cembrit facade boards is FCS certified wood fibres from either pine or spruce.

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

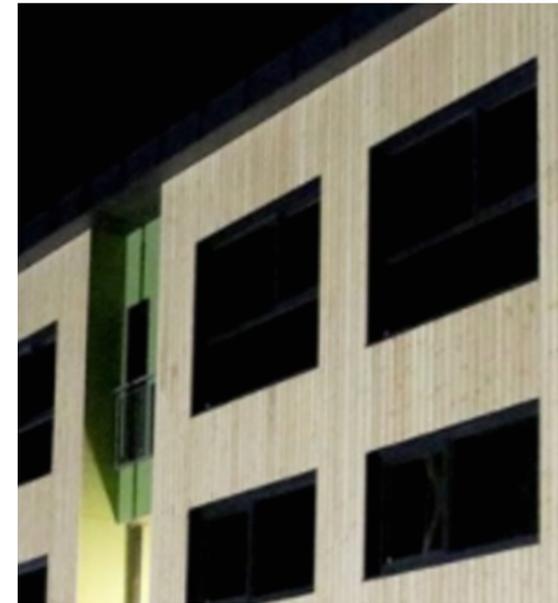
WASTE

Cembrit build and 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 Cembrit installations manuals and guidelines, we have focus to avoid sending the products to landfill.



Cembrit facade boards have a low risk to the environment during the product lifetime.



Gruvedalen in Longyaerbyen, Svalbard, Norway

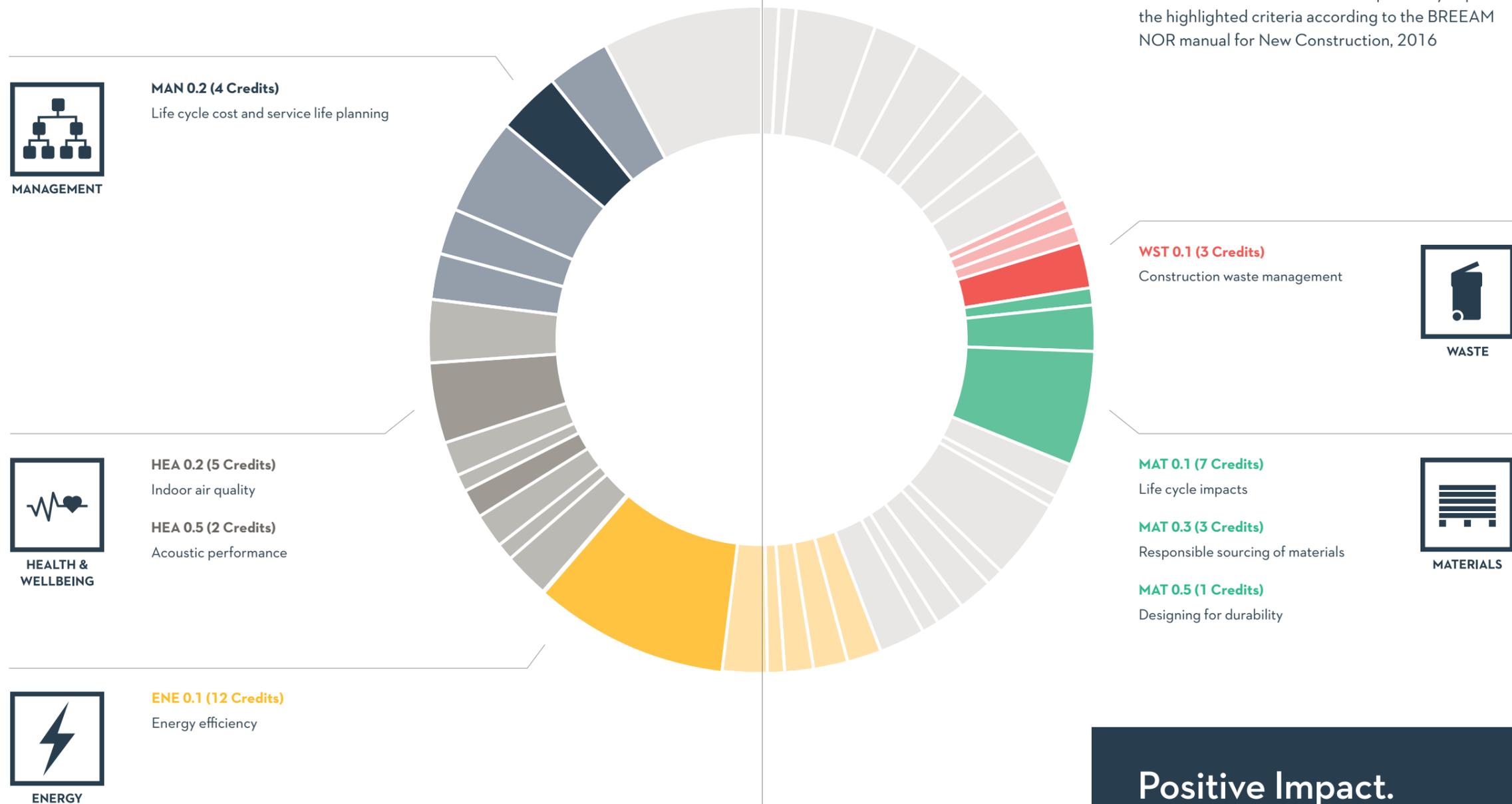
Construction year: 2018

Cembrit product: Cembrit Windstopper Extreme, Cembrit Construction, Cembrit Transparent, Cembrit Cover

Private residential located in Gruvedalen Svalbard in Norway. When designing this project, the sustainable focus has been on handling both climate and environmental challenges during construction and in use. For this project Cembrit delivered products, to live up to the architectural ex-pression and high demands for exposed surfaces.



Cembrit build and indoor products – criteria impact



BREEAM NOR New Construction scheme provides an independent 3rd party validated 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.

Cembrit build and indoor boards positively impact the highlighted criteria according to the BREEAM NOR manual for New Construction, 2016

Positive Impact.

Cembrit build and 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.

CEMBRIT

www.cembrit.com

Please visit the local website for contact details and further information.

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Cembrit is one of the leading European manufacturers of multi-capability fibre-cement building products. Our products and solutions add exciting new design opportunities for moulding attractive, durable settings for people's lives. But Cembrit is more than mere products. We also help make all kinds of design and construction projects easier – as well as more profitable, inspiring and effective. For us, all construction also involves building relations with people, making your day better, and helping you make the day better for others. Making it a day to remember.