

FACTSHEET & CREDIT SUMMARY FOR

BREEAM-NOR v6.1



We are Rockfon

We are the world's leading acoustic company. Every day we're inspired to innovate with sound solutions that help people, think, rest and enjoy life more. Our tiles and panels are especially designed to provide acoustic ceiling solutions that are beautiful while creating healthy, comfortable spaces.

Wellbeing is at the heart of everything we do. Our beautiful acoustic solutions bring concentration to classrooms, enjoyment to venues, safety to industrial settings and healing to hospitals. All of this is underpinned by our four value pillars: Quality, Trust, Sustainability and Innovation.



Sustainability in Rockfon

Sustainability sits at the heart of our research and development. It is not just a buzz word, but it is embedded in all our processes and thinking throughout the lifecycle of the product. It's why we use abundant stone, work to reduce our carbon footprint, and recycle as part of the circular economy.

We want to bring this knowledge on sustainability to our customers and show how Rockfon products and their characteristics can help you earn more credits in building rating schemes.

"BREEAM-NOR is a national adapted BREEAM scheme that provides independent third party certification of the assessment of the sustainability performance of individual buildings, communities and infrastructure projects."

The assessment is done in a number of stages, from design and construction through to operation and refurbishment. BREEAM-NOR has indicators in 10 performance categories, 5 of which could be relevant to the use of Rockfon products. Each of these categories addresses and documents factors which influence performance outcomes such as low impact design, carbon emission reductions, design durability, and biodiversity protection. Rockfon acoustic solutions can be the right choice for designing and constructing more sustainable, BREEAM-NOR rated buildings and can help earn the BREEAM-NOR performance credits desired for certification.

The following gives an overview of the ways in which we help you achieve your green building performance goals through Rockfon solutions.

Management

Assessment issue	BREEAM's assessment aim	Rockfon's contribution	Resources
Man 01 Project brief and design	"The project management shall set and implement sustainability goals, with relevant measures and responsibilities for the entire project."	With precise climate documentation, Rockfon will positively contribute to the subject's greenhouse gas accounting, as well as involve external stakeholders in the concept development/early phase.	Ask for expert advice from your local Rockfon support specialists. Insert same link as above
Man 02 Life cycle cost and service life planning	"To promote the business case for sustainable buildings and to deliver whole life value by encouraging the use of life cycle costing to improve design, specification, through-life maintenance and operation."	Rockfon can support you and offer information on the component life cycle cost. Rockfon products have a long lasting performance (50 years of service life) and do not have maintenance or repair costs associated with their use. Life cycle costs of a Rockfon component include the initial cost and the disposal costs.	Ask for expert advice on component costs from your local Rockfon support specialists.

Materials

Assessment issue	BREEAM's assessment aim	Rockfon's contribution	Resources
Mat 01 Environmental impact of construction products - LCA and greenhouse gas calculations	"To recognise and encourage the use of construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building."	Rockfon can provide EPDs for your project's acoustic solutions. Rockfon's third party verified EPDs are available on our website and also in third party EPD databases (EPD Norge).	Find our third party verified EPDs here or by searching an EPD provider's database today.
Mat 02 Environmental impacts from construction products - Product requirements	"To encourage the availability of robust and comparable data on the impacts from construction products through the provision of EPD, in addition to recognising and encouraging the use of construction products with low environmental impact over the full life cycle of the building."	The absence of environmental toxins is well documented in Rockfon's EPDs. Rockfon can provide EPDs for your project's acoustic solutions. Rockfon's third party verified EPDs are available on our website and also in third party EPD databases (EPD Norge).	Find our third party verified EPDs here or by searching an EPD provider's database today.
Mat 03 Responsible sourcing of construction products	"To facilitate the selection of products that involve lower levels of negative environmental, economic, and social impact across their supply chain, including extraction, processing, and manufacture."	To achieve credits for responsible sourcing, project procurement must include responsible sourcing certification scheme requirements. One such approved scheme is an environmental management system. Proof of Rockfon's stone wool factory's ISO 14001 (Environmental Management System, EMS) certification can be provided. Additionally, Rockfon offers solutions made of FSC certified wood materials which is also stipulated under BREEAM Mat 03.	Ask your local Rockfon technical support for ISO 14001 documentation and to discover which products hold FSC certification.
Mat 06 Material efficiency and reuse	"To promote reuse and avoid unnecessary materials use."	A detailed project plan will result in less re-work and less ceiling tile damage. We recommend discussing the installation thoroughly and well in advance with installers that have to work on or near the suspended ceiling. By doing so, damaged ceiling tiles and rework can be reduced increasing material use efficiency.	Find our many resources for planning installation on our website. We offer installation guides , videos , trainings , BIM Library objects, and much more.

Health and Wellbeing

Assessment issue	BREEAM's assessment aim	Rockfon's contribution	Resources
Hea 01 Visual comfort	<p>"To ensure that daylight, artificial lighting and user control are considered in the design phase to ensure best practice in lighting quality and visual comfort for the building's users."</p>	<p>The BREEAM credits for visual comfort include contextually specific ranges of acceptable daylighting. The calculation for the building's daylight factor covers several variables, including the light reflectance of the interior ceilings. Rockfon ceiling's high light reflectance assists with achieving desired daylighting performance ranges of light reflectance.</p>	<p>Our product datasheets inform on light reflection and light diffusion values. For additional information contact your local technical support.</p>
Hea 02 Indoor air quality	<p>"To recognise and encourage a healthy internal environment through the specification and installation of appropriate ventilation, equipment and finishes."</p>	<p>BREEAM's indoor product emission credit is achieved by ensuring indoor building components perform within a set limit for indoor air emissions. Rockfon ceiling products have a low release of VOC's and are classified in Class E1 in accordance with BS EN 13964 - EN 717-1. All Rockfon products meet the BREEAM Hea 02 ceiling, wall-, acoustic- and insulation material limit values.*</p> <p>In addition to achieving this required level of performance, Rockfon products have been awarded best-in-class indoor climate labels like the French VOC A+, Finish M1, Blue Angel, Singapore Green Building Product Certificate, and the Danish Indoor Climate Label with products in class 1 og class 2. The emission levels are established according to EN 16516-1:2018 testing method.</p>	<p>Our product datasheets inform on relevant indoor air emission labels. For additional information contact your local technical support.</p>
Hea 03 Thermal comfort	<p>"Ensure satisfactory thermal comfort by designing and selecting necessary controls to maintain a comfortable thermal environment for building users."</p>	<p>This credit relates to planning and modeling the thermal comfort within the building in operation. Our products are made from stone wool which is not only highly soundabsorbent, but also a thermal-insulating material. The thermal conductivity of Rockfon ceiling tiles is between 37-40 mW/mK.</p> <p>Our Cosmos product families have improved thermal insulating properties and are installed in order to offer good thermal comfort. Their thermal conductivity value is as low as 34 mW/mK.</p>	<p>Rockfon's document library provides DoPs which include thermal conductivity described for relevant products.</p>
Hea 05 Acoustic performance	<p>"Ensure that the building provides an appropriate acoustic environment that is comfortable for the building's users."</p>	<p>Rockfon's products are highly sound absorptive, and therefore contribute to a reduction in reverberation time and increased speech intelligibility. Adding a sound absorbing ceiling can reduce noise levels up to 6 dB (A). The majority of our products fall into sound absorption class A and perform higher than industry average. Our products can also be sound blocking with the enhanced feature of our dB product range. Therefore, they significantly contribute to the room to room sound insulation. Also our products can act as sound barriers in ceiling voids in order to improve the sound insulation between spaces, especially in cases where the walls do not reach ceiling height. All these features will help towards achieving credits within Hea 05.</p>	<p>Find the acoustic performance on each product's respective documentation.</p>

* BREEAM Hea 02 credit is achieved in part when ceiling, wall, and acoustic materials have $\leq 0.06 \text{ mg/m}^3$ Formaldehyde, $\leq 1.0 \text{ mg/m}^3$ TVOCs, and $\leq 0.001 \text{ mg/m}^3$ category A1 & B1 carcinogen emissions.

Waste

Assessment issue	BREEAM's assessment aim	Rockfon's contribution	Resources
<p>Wst 01 Construction site resource management</p>	<p>"To reduce construction waste by encouraging reuse, recovery and best practice waste management practices."</p>	<p>Credits for Wst 01 can be achieved in part by reducing and eliminating waste and diverting construction waste from landfill. If a building is being dismantled, construction waste can be reduced by collecting and reusing tiles which still have years of service life. Careful planning can ensure reduced waste when cutting and installing new ceilings. Old or damaged tiles can further be diverted from landfill by recycling them through Rockwool and Rockfon's closed loop recycling system Rockcycle.</p>	<p>Reach out to Rockfon's support team to get more information about recycling solutions offered. Learn more on our Sustainability Services page.</p>

Innovation

Assessment issue	BREEAM's assessment aim	Rockfon's contribution	Resources
<p>Innovation</p>	<p>"To support innovation within the construction industry through the recognition of sustainability related benefits which are not rewarded by standard BREEAM-NOR issues."</p>	<p>Innovation credits can be achieved, among other things, through particularly exemplary performance in several of the above categories. Exemplary credits are available in the categories Mat 01, Mat 03, and Wst 01 to which Rockfon products can contribute as described above. Additionally, a selection of Rockfon products can also achieve the Hea 02 exemplary performance for ceiling, wall, and acoustic materials.*</p>	<p>Reach out to your Rockfon technical support for help to find the best products to achieve exemplary performance in your project.</p>

DISCLAIMER: The points gained in each feature are not solely dependent upon the performance of Rockfon products. Rockfon products merely help towards the goal of achieving the credits but they are not a stand-alone element. Rockfon shall not guarantee or be held liable for non-fulfilment of the credits which can include a broader assessment of construction products and building elements.

* Exemplary performance in BREEAM Hea 02 is achieved in part when ceiling, wall, and acoustic materials have $\leq 0.01 \text{ mg/m}^3$ Formaldehyde, $\leq 0.3 \text{ mg/m}^3$ TVOCs, $\leq 0.1 \text{ mg/m}^3$ TSVOCs and $\leq 0.001 \text{ mg/m}^3$ category A1 & B1 carcinogen emissions.

09.2024 | Alle fargekoder som er nevnt her, er basert på NCS - Natural Colour System[®], som tilhører og brukes på lisens fra NCS Colour AB, Stockholm (2012), eller på fargestandarden RAL. Rockfon er et registrert varemerke. Det tas forbehold for trykktfeil samt for sortiments- og produktekniske endringer uten forutgående varsel.

Sounds Beautiful

