

# WELL Building Standard™



**Sounds Beautiful**

## Wellbeing

Human health is only as strong as the environment around us. People who do not feel well cannot work or sleep well, which is why the materials you select for your building are so crucial to health and wellbeing. Workplaces flourish when our leaders prioritize the health and wellbeing of their most valuable asset: people. At Rockfon we are proud that our products positively contribute to a healthy indoor environment – from improving air quality to acoustic and aesthetic performance, whether in domestic, business, educational or even medical spaces.

The WELL Building Standard aims to “lead the global movement to transform our buildings and communities in ways that help people thrive,” which makes it a great way to certify the wellbeing and performance of your buildings. The Standard is performance-based, involving measurement, certification and monitoring. Rockfon can support you to implement the WELL Building Standard™.

Building on the ground-breaking original version, WELL Building Standard™ Version 2 draws expertise from a diverse community of experts around the world. The rating system is based on 10 unique concepts, each made up of several features. Each feature aims to be evidence-based, verifiable, implementable and presented for outside input. Some features are ‘preconditions’, which means they are mandatory for certification. Other features are considered ‘optimizations,’ and can earn varying additional point values. Rockfon products can contribute to alignment with preconditions and the additional optimizations.

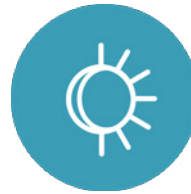
## 10 concepts



AIR



WATER



LIGHT



SOUND



MATERIALS



MIND



MOVEMENT



COMMUNITY



NOURISHMENT



THERMAL COMFORT

**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.

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

## 1. AIR concept

WELL features establish requirements in buildings that promote clean air and reduce or minimize the sources of indoor air pollution.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>A01.2</b> Meet Thresholds for Organic Gases	Precondition	To ensure acceptable level of indoor air quality, based on guidelines from public health authorities.	Rockfon ceiling products have a low release of VOCs and are classified in Class E1 in accordance with EN 13964 - EN 717-1. Rockfon products have been awarded demanding indoor climate labels like the French VOC A+, Finnish M1, Blue Angel, Singapore Green Building Product Certificate, and the Danish Indoor Climate Label. The emission levels are established according to EN 16516-1:2018 testing method.	Our <a href="#">product datasheets</a> inform on relevant indoor air emission labels. For additional information <a href="#">contact</a> your local technical support.
<b>A01.5</b> Measure air parameters	Precondition			Letter of Assurance (LOA) – Contractor (template from WELL).
<b>A04.1</b> Construction Pollution Management	Precondition	To minimize the introduction of construction related pollutants into indoor air, remediate contamination and protect building products from degradation.	Rockfon products are resistant to relative humidity up to 100% and to sagging as no deflection is visible in high humidity. The property specific applied test is the flexural tensile strength test, Annex F in EN 13964:2014.  Remember to protect Rockfon Panels in designated areas protected from dust during construction.	Our <a href="#">product datasheets</a> inform on relevant indoor air emission labels. For additional information <a href="#">contact</a> your local technical support.
<b>A05.2</b> Meet Enhanced Thresholds for Organic Gases	Optimization	To provide enhanced air quality levels, beyond current guidelines.	Rockfon products carry demanding indoor air quality labels to ensure low off-gassing from the products.	Professional narrative provided by WELL consultant. Our <a href="#">product datasheets</a> inform on relevant indoor air emission labels. For additional information <a href="#">contact</a> your local technical support.

## 2. WATER concept

WELL features include the availability and contaminant thresholds of drinking water and also the management of water to avoid damage to building materials and environmental conditions.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>W07.2</b> Design Interiors for Moisture Management	Optimization	Limit the potential for bacteria and mold growth within buildings from water infiltration, condensation and internal leaks.	Rockfon products can be installed prior to the building being enclosed (not including France). Ceiling and wall products resist the growth of mold and bacteria without having to add a specific biocide. Our Declaration of Performance (DoP) according to EN 13964:2014 show the performance "A – not susceptible to the growth of harmful micro-organisms". The property specific applied test standard is ASTM C 1338-96 (Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings).	Our <a href="#">product datasheets</a> inform on hygiene. For additional information <a href="#">contact</a> your local technical support.

### 3. LIGHT concept

WELL features provide guidelines to create lighting environments that promote visual, mental and psychological health.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>L01.1</b> Provide Indoor Light	Precondition	Provide indoor light exposure through daylight and electric light strategies.	Rockfon products' high light reflectance assists with achieving desired lighting performance and ranges of light reflectance without increasing energy consumption or glare. Rockfon Blanka®, for example, has a light reflection of 87% and light diffusion >99%. Higher LRVs mean that your surface reflects more light from the source, resulting in maximum light intensity, which promotes alertness and activity.	Our <a href="#">product datasheets</a> inform on light reflection and light diffusion values. For additional information <a href="#">contact</a> your local technical support.
<b>L02.1</b> Provide Visual Acuity	Precondition	Provide visual comfort and enhance visual acuity for all users.	Rockfon ceiling and wall products with high light reflection and diffusion enhance your indirect lighting by improving overall lighting uniformity. Rockfon Blanka, for example, has a light reflection of 87% and light diffusion >99%. The white surface has a whiteness (L value) of 94.5, tested in accordance with ISO 7724. Our coloured range (Rockfon Color-all®) is specifically focused on wellbeing, by using colours and textures that are calming and found in nature.	Our <a href="#">product datasheets</a> inform on light reflection and light diffusion values. For additional information <a href="#">contact</a> your local technical support.
<b>L06.1</b> Daylight Simulation	Optimization	Ensure indoor daylight exposure through daylight simulation strategies.	Our high light reflection products have been shown to increase luminance levels in simulated models. The high-end surfaces of Rockfon products provide exceptionally balanced light diffusion.	Our <a href="#">product datasheets</a> inform on light reflection and light diffusion values. For additional information <a href="#">contact</a> your local technical support.

### 4. SOUND concept

WELL features identify and mitigate acoustical comfort parameters in order to bolster occupant health and well-being.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>S02.1</b> Maximum noise levels	Optimization	To achieve desired ambient noise levels, such as that noise sources do not impact occupant health and well-being.	Our products are highly sound absorptive, significantly reducing reverberation time and increasing speech intelligibility. The majority of our products are sound absorption class A according to ISO 11654, and represents an $\alpha_w$ value between 0.9 and 1.0.	Our <a href="#">product datasheets</a> inform on sound absorption levels and class. For additional information <a href="#">contact</a> your local technical support.
<b>S03.1</b> Design for Sound Isolation at walls and doors	Optimization	To increase the level of sound isolation and speech privacy between enclosed spaces.	Our insulation solutions installed in partitions provide sound isolation e.g. in space over partition walls.	Our <a href="#">product datasheets for dB solutions</a> inform on specific sound isolation improvement when using these products.
<b>S03.2</b> Achieve Sound Isolation at walls	Optimization			
<b>S04.1</b> Achieve Reverberation Time Thresholds	Optimization	To help maintain comfortable sound levels with comfortable reverberation times that support speech intelligibility, vocal effort and are conducive to concentration.	Our products are highly sound absorptive, significantly reducing reverberation time and increasing speech intelligibility.	Our <a href="#">product datasheets</a> inform on sound absorption levels.
<b>S05.1</b> Implement Sound Reducing Surfaces	Optimization	To reduce the buildup of speech and other unwanted sound by sound reducing surfaces.	Rockfon ceiling solutions ranges from Alpha-w ( $\alpha_w$ ) 0.70–1.00 making it possible to fulfill both tier 1 and tier 2 of feature S05.1	Our <a href="#">product datasheets</a> inform on sound absorption levels.

## 5. MATERIALS concept

It aims to reduce human exposure to chemicals that may impact health during the construction, remodelling, furnishing and operation of buildings.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>X01.1</b> Restrict asbestos	Precondition	To reduce exposure to construction materials known to be hazardous	All materials used in Rockfon products are screened against the technical checklist A20 and the list of substances restricted under REACH and none of Rockfon's stonewool products contain any substances of very high concern (SVHC) with a limit of 0,1% value. Rockfon stone wool fibres comply with safe fibre EU regulation, hold a EUCB certification and do not contain any asbestos fibers.	LOA – Designer (template from WELL). Our <a href="#">product datasheets</a> inform on material health.
<b>X01.2</b> Restrict Mercury	Precondition	To reduce exposure to construction materials known to be hazardous	All materials used in Rockfon products are screened against the technical checklist A20 and the list of substances restricted under REACH and none of Rockfon's stonewool products contain any substances of very high concern (SVHC) with a limit of 0,1% value. Rockfon solutions do not contain any mercury.	LOA – Contractor (template from WELL). Our <a href="#">product datasheets</a> inform on material health.
<b>X01.3</b> Restrict lead	Precondition	To reduce exposure to construction materials known to be hazardous	All materials used in Rockfon products are screened against the technical checklist A20 and the list of substances restricted under REACH and none of Rockfon's stonewool products contain any substances of very high concern (SVHC) with a limit of 0,1% value. Rockfon solutions do not contain any lead.	LOA – Contractor (template from WELL). Our <a href="#">product datasheets</a> inform on material health.
<b>X05.2</b> Select Compliant Architectural and Interior Products	Optimization	Minimize exposure to certain chemicals by limiting their presence in products.	All materials used in Rockfon products are screened against the technical checklist A20 and the list of substances restricted under REACH and none of Rockfon's stonewool products contain any substances of very high concern (SVHC) with a limit of 0,1% value. Rockfon solutions do not contain any halogenated flame retardants or phthalates.	LOA – contractor (template from WELL). Our <a href="#">product datasheets</a> inform on relevant indoor air emission labels. For additional information <a href="#">contact</a> your local technical support.
<b>X06.2</b> Restrict VOC Emissions From Furniture, Architectural and Interior Products	Optimization	Minimize the impacts of VOC compounds in indoor air quality.	The French VOC A/A+, Finnish M1, Blue Angel, Singapore Green Building Product Certificate, and the Danish Indoor Climate Label. Emission levels are established according to EN 16516-1:2018 testing method. Contact us if you need specific information about the product you are interested in.	LOA – contractor (template from WELL). Check our <a href="#">product datasheets</a> for information on Cradle-to-Cradle Certified® levels. For additional information <a href="#">contact</a> your local technicalsupport.
<b>X07.1</b> Select Products with Disclosed Ingredients	Optimization	Help differentiate safer ingredients and products and encourage supply chain transparency.	Most of our products are Cradle-to-Cradle Certified to Bronze and Silver include requirements for disclosed ingredients.	+ LOA – contractor Check our <a href="#">product datasheets</a> for information on Cradle-to-Cradle Certified levels.
<b>X07.3</b> Select Products with Third-Party Verified Ingredients	Optimization	Help differentiate safer ingredients and products and encourage supply chain transparency.	Most of our products are Cradle-to-Cradle Certified to Bronze and Silver include third party verified material health assessment.	Check our <a href="#">product datasheets</a> for information on Cradle-to-Cradle Certified levels
<b>X08.1</b> Select Materials with Enhanced Chemical Restrictions	Optimization	Restrict the use of hazardous ingredient contents in materials and products.	Most of our products are Cradle-to-Cradle Certified to Bronze and Silver include third party verified material health assessment based on list of substances down to 100 ppm.	Check our <a href="#">product datasheets</a> for information on Cradle-to-Cradle Certified levels
<b>X08.2</b> Select Optimized Products	Optimization	Restrict the use of hazardous ingredient contents in materials and products.	We offer a wide range of products that have been certified Silver Cradle-to-Cradle in the Material Health category.	Professional narrative provided by WELL consultant. Check our biophilic acoustic design solutions at <a href="https://soundsbeautiful.com">Soundsbeautiful.com</a>

## 6. MIND concept

WELL features optimize cognitive and emotional health through design, technology and treatment strategies.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>M02.1</b> Provide Connection to Nature	Optimization	Support the well-being of occupants by incorporating the natural elements through the project.	Our design range products as Rockfon® Senses and Rockfon® Lamella draw on biophilic references and materials providing connection to nature. Our flexible monolithic solution, Rockfon Mono® Acoustic, can also be shaped into unique natural forms.	Our <a href="#">product datasheets</a> inform on sound absorption levels. Our brochure on our <a href="#">Colours of Wellbeing</a> introduce to the benefits of our coloured range.
<b>M07.1</b> Provide Restorative Space	Optimization	Support access to spaces that provide relief from mental fatigue or stress.	Our acoustic ceiling solutions are highly sound absorptive, ensuring a good acoustic environment for relaxation and restoration. Our coloured range (Rockfon Color-all®) is specifically focused on wellbeing, by using colours and textures that are calming and found in nature.	Innovation form provided by WELL consultant. See also brochure on our <a href="#">Colours of Wellbeing</a> .

## 7. INNOVATION concept

WELL encourages innovation by allowing projects to submit ideas for new features under WELL concepts.

Feature	Compliance	WELL intent	Rockfon's contribution	Resources
<b>I01.1</b> Promote Innovation	Optimization	To promote the continuous evolution of the Standard by enabling projects to propose a new feature that addresses health and wellness in a novel way.	Our products can actually help you exceed the current requirements of this WELL feature. We are continuously innovating new applications that create the best spaces. Please contact us if you would like to scope and achieve an innovative feature together.	Innovation form provided by WELL consultant. Please <a href="#">contact</a> us if you would like to scope and achieve an innovative feature together.

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