

# WELL Building Standard™

See how Rockfon acoustic ceiling tiles, baffles, islands and wall applications satisfy WELL requirements.



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™, including the newly-launched second version.

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 help your building satisfy both the preconditions and the additional optimizations.

## Ten concepts



AIR



WATER



NOURISHMENT



LIGHT



MOVEMENT



THERMAL  
COMFORT



SOUND



MATERIALS



MIND



COMMUNITY

In the table below we present how Rockfon products can help you towards your WELL certification, which features are relevant and what is the maximum level of points for optimizations that Rockfon products could potentially help you achieve in your WELL certification.

### AIR concept

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

Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>A01</b> Air quality	Precondition	<p><b>WELL intent:</b> To ensure acceptable level of indoor air quality, based on guidelines from public health authorities.</p> <p><b>Rockfon:</b> Using our ceiling and wall products that carry best in class air emission labels enhances the indoor air quality. Check out our <a href="#">Product Sustainability Declarations</a> to see the great achievements of our portfolio such as the Danish indoor climate label, the best Finish emission class M1 for building materials, the American Greenguard Gold label, the French A/A+ class, the German blue angel, and the Singapore Green Label.</p>	Not applicable
<b>A04</b> Construction pollution management	Precondition	<p><b>WELL intent:</b> To minimize the introduction of construction related pollutants into indoor air, remediate contamination and protect building products from degradation.</p> <p><b>Rockfon:</b> Our 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.</p>	Not applicable
<b>A05</b> Enhanced Air Quality	Optimization	<p><b>WELL intent:</b> To provide enhanced air quality levels, beyond current guidelines.</p> <p><b>Part 2:</b> Meet enhanced levels for Organic Gases</p> <p><b>Rockfon:</b> Using our ceiling and wall products that carry best in class air emission labels enhances the indoor air quality. Check out our <a href="#">Product Sustainability Declarations</a> to see the great achievements of our portfolio such as the Danish indoor climate label, the best Finish emission class M1 for building materials, the American Greenguard Gold label, the French A/A+ class, the German blue angel, and the Singapore Green Label.</p>	1 point

### 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	Rockfon's contribution	Max Optimization points*
<b>W07</b> Moisture Management	Optimization	<p><b>WELL intent:</b> WELL intent: Limit the potential for bacteria and mould growth within buildings from water infiltration, condensation and internal leaks.</p> <p><b>Part 2:</b> Design Interiors for Moisture Management</p> <p><b>Rockfon:</b> Our products can be installed prior to the building being enclosed. Our ceiling and wall products resist the growth of mould 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).</p>	1 point

### Light concept

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

Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>L01</b> Light Exposure (indirect)	Precondition	<p><b>WELL Intent:</b> Provide indoor light exposure through daylight and electric light strategies.</p> <p><b>Rockfon:</b> Our products have best-in-class light reflectance values (LRVs) and light diffusion. Rockfon Blanka®, for example, has a light reflection of 87% and light diffusion &gt;99%. Higher LRVs mean that your surface reflects more light from the source, resulting in maximum light intensity, which promotes alertness and activity. Choosing Rockfon products with high-end surfaces is a great way to ensure sufficient light reaches the eye without increasing energy consumption or glare.</p>	Not applicable
<b>L02</b> Visual lighting design (indirect)	Precondition	<p><b>WELL intent:</b> Provide visual comfort and enhance visual acuity for all users.</p> <p><b>Rockfon:</b> Our ceiling and wall products with high light reflection enhance your indirect lighting by improving overall lighting uniformity. Rockfon Blanka® has a best-in-class light reflection of 87%, compared to just 75% in competing products. The white surface has a whiteness (L value) of 94.5, tested in accordance with ISO 7724.</p>	Not applicable
<b>L06</b> Daylight simulation (indirect)	Optimization	<p><b>WELL intent:</b> Ensure indoor daylight exposure through daylight simulation strategies.</p> <p><b>Rockfon:</b> 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.</p>	2 points
<b>L07</b> Visual Balance (indirect)	Optimization	<p><b>WELL intent:</b> Creating lighting environments that enhance visual comfort.</p> <p><b>Rockfon:</b> Our products with high light reflection values (LRV) draw light further into a space, and because they diffuse light by more than 99%, they also minimise glare and enhance visual comfort. Higher LRVs mean that the surface reflects more light from the source, resulting in maximum light intensity, which promotes alertness and activity. Rockfon products with high-end surfaces are a great way to ensure sufficient light reaches the eye without increasing energy consumption or glare.</p>	1 point

### Thermal comfort concept

WELL features establish requirements designed to create productive and comfortable indoor environments through improved HVAC system design and control and by meeting individual thermal preferences.

Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>T01</b> Thermal Performance	Precondition	<p><b>WELL Intent:</b> To provide an acceptable thermal environment by the majority of users.</p> <p><b>Rockfon:</b> Our products are made from stone wool, which is a naturally sound-absorbent and highly thermal-insulating material. The thermal conductivity ID of most of our products is 40 mW/mK. Some of our products, like Facett and 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>	Not applicable
<b>T07</b> Humidity Control	Optimization	<p><b>WELL intent:</b> To limit the growth of pathogens, reduce off-gassing, and maintain thermal comfort by providing the appropriate levels of humidity.</p> <p><b>Rockfon:</b> Our products can be installed before the building being enclosed, even including changing rooms and showers. The Rockfon® Hygienic™ product range is specifically recommended for this purpose.</p>	1 point

## Sound concept

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

Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>S02</b> Maximum noise levels	Optimization	<p><b>WELL Intent:</b> To achieve desired ambient noise levels, such as that noise sources do not impact occupant health and well-being</p> <p><b>Rockfon:</b> Our products are highly sound absorbing, significantly reducing reverberation time and increasing speech intelligibility. In fact, our highly sound absorbing ceilings can reduce noise levels up to 6 dB(A). That's because the majority of our products are sound absorption class A, so they perform significantly better than industry average. The class A is according to ISO 11654, and represents an <math>\alpha_w</math> value between 0.9 and 1.0.</p>	3 points
<b>S03</b> Sound barriers	Optimization	<p><b>WELL intent:</b> To increase the level of sound isolation and speech privacy between enclosed spaces.</p> <p><b>Rockfon:</b> The products in our dB product range are both highly sound absorptive and sound blocking. They contribute significantly to room-to-room sound insulation <math>D_{n,f,w}</math>, measured in accordance with ISO 10848-2. Our products can also act as sound barriers on walls in order to improve the sound insulation between spaces, especially in cases where the walls do not reach the ceiling height.</p>	3 points (1 point for part 1 and 2 points for part 2)
<b>S04</b> Reverberation time	Optimization	<p><b>WELL intent:</b> To help maintain comfortable sound levels with comfortable reverberation times that support speech intelligibility, vocal effort and are conducive to concentration.</p> <p><b>Rockfon:</b> You can control reverberation time by adding absorptive surface finishes on your ceilings, walls and furniture. Since the ceiling space is usually the largest surface it can make the biggest impact in reducing or controlling reverberation time. 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 <math>\alpha_w</math> value between 0.9 and 1.0.</p>	2 points
<b>S05</b> Sound reducing surfaces	Optimization	<p><b>WELL intent:</b> To reduce the buildup of speech and other unwanted sound by sound reducing surfaces.</p> <p><b>Rockfon:</b> Our products are highly sound absorptive, so they significantly reduce reverberation time and increase speech intelligibility. Our products often have an <math>\alpha_w</math> or NRC (noise reduction coefficient) of 1.0 or slightly below, which means they can give you up to 2 points for this WELL feature. The sound absorption is measured in accordance with ISO 354.</p>	2 points
<b>S06</b> Minimum background sound	Optimization	<p><b>WELL intent:</b> To increase acoustical privacy within and between occupied spaces, part 2: provide enhanced speech reduction</p> <p><b>Rockfon:</b> Our products are highly sound absorptive, so they significantly reduce reverberation time and increase speech intelligibility. The majority of our products are sound absorption class A, which means they contribute to part 2 of this feature. The class A is according to ISO 11654 (Sound absorbers for use in buildings – Rating of sound absorption), and represents an <math>\alpha_w</math> value between 0.9 and 1.0.</p>	1 point (for part 2)

## 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	Rockfon's contribution	Max Optimization points*
<b>X01</b> Material Restrictions	Precondition	<p><b>WELL Intent:</b> To reduce exposure to construction materials known to be hazardous</p> <p><b>Rockfon:</b> Our ceiling and wall panel applications adhere to the restrictions in this category as they do not contain any asbestos fibers, lead or mercury.</p>	Not applicable
<b>X05</b> Enhanced Material Restrictions	Optimization	<p><b>WELL intent:</b> Minimize exposure to certain chemicals by limiting their presence in products.</p> <p><b>Part 2:</b> Select Compliant Architectural and Interior Products</p> <p><b>Rockfon:</b> Our products fulfil the requirements in part 2 of this feature as they do not contain halogenated flame retardants or orthophthalates. They also eliminate exposure risks as they do not contain any chemicals of concern (per REACH, BREEAM NO A20 and RAL-UZ 132).</p>	1 point (for part 2)
<b>X06</b> VOC Restrictions	Optimization	<p><b>WELL intent:</b> Minimize the impacts of VOC compounds in indoor air quality, part 2: Restrict VOC Emissions from furniture, Architectural and Interior Products.</p> <p><b>Rockfon:</b> Our products have been awarded best-in-class indoor climate labels, including the French VOC A+, Finish 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.</p>	Max 2 points
<b>X08</b> Materials Optimization	Optimization	<p><b>WELL intent:</b> Promote selection of products that have been audited in order to minimize impacts in human and environmental health.</p> <p><b>Rockfon:</b> Our products contribute to both parts of this feature. As for Part 1, our products do not contain any compounds in REACH Restriction and authorization lists, and they have been also screened according to the Cradle2Cradle Restricted Substances List. As for part 2, we offer a wide range of products that have been certified Silver Cradle2Cradle in the Material Health category.</p>	2 points

## MIND concept

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

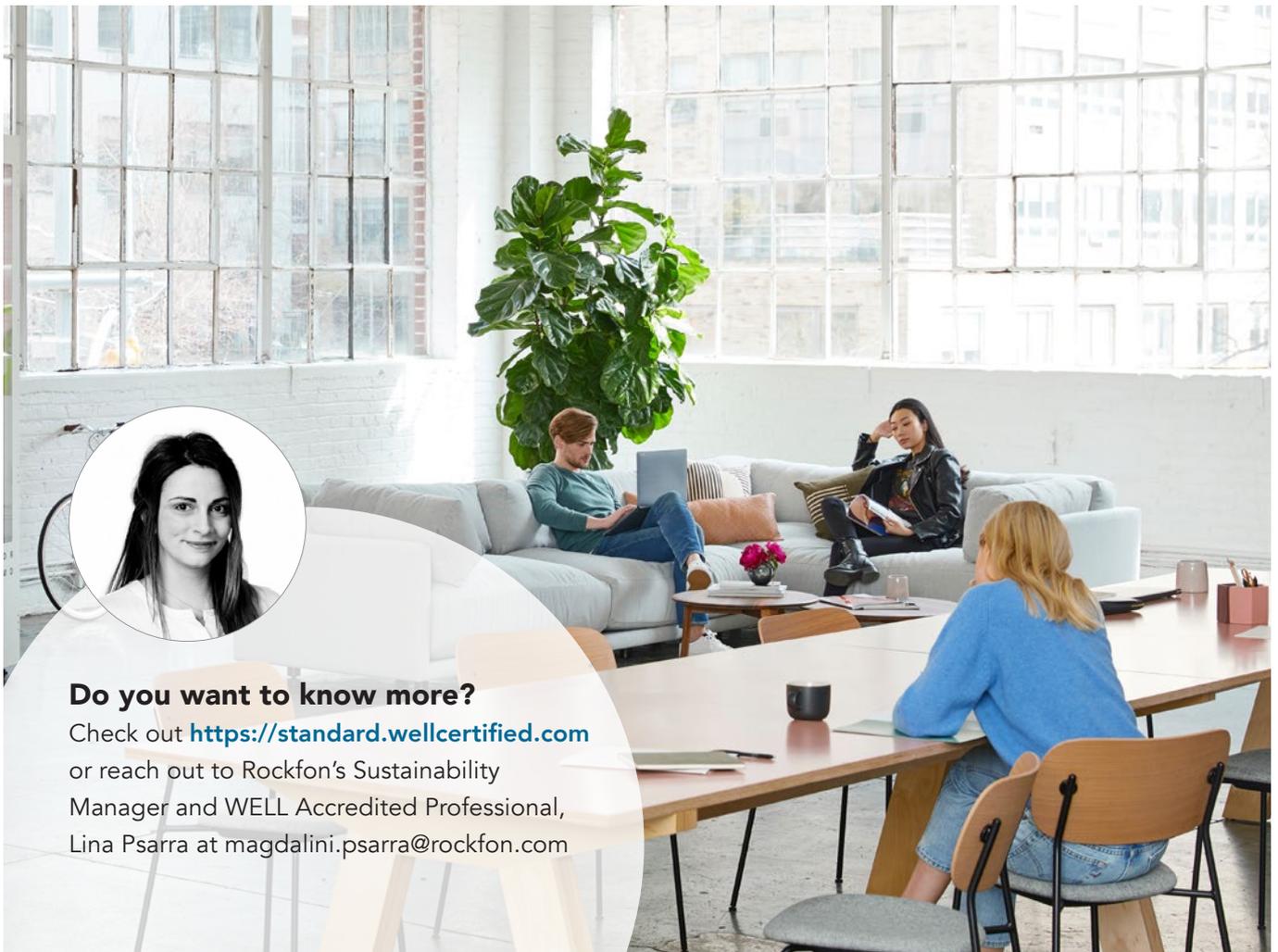
Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>M02</b> Nature and Space	Precondition	<p><b>WELL Intent:</b> Support the well-being of occupants by incorporating the natural environment through the project and integrate design that celebrates the project's identity.</p> <p><b>Rockfon:</b> Our ceiling and wall products are aesthetically appealing solutions designed to inspire people. Our highly flexible range means that when it comes to designing colourful and elegant spaces, you are only limited by your imagination. Plus, our new Colour-all range is based on expertly-selected colours that can boost wellbeing. Our flexible monolithic solution, Rockfon® Mono® Acoustic, can also be shaped into unique natural forms.</p>	Not applicable
<b>M07</b> Restorative Spaces	Optimization	<p><b>WELL intent:</b> Support access to spaces that provide relief from mental fatigue or stress.</p> <p><b>Rockfon:</b> Our acoustic ceiling solutions are highly sound absorptive, ensuring a good acoustic environment for relaxation and restoration. Our coloured range (colour-All) is specifically focussed on wellbeing, by using colours and textures that are calming and found in nature.</p>	1 point

## INNOVATION concept

Innovation concept: WELL encourages innovation by allowing projects to submit ideas for new features under WELL concepts

Feature	Compliance	Rockfon's contribution	Max Optimization points*
<b>I01</b> Innovate WELL	Optimization	<p><b>WELL Intent:</b> 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.</p> <p><b>Rockfon:</b> 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.</p>	Max 10 points

*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.*



### Do you want to know more?

Check out <https://standard.wellcertified.com>

or reach out to Rockfon's Sustainability Manager and WELL Accredited Professional, Lina Psarra at [magdalini.psarra@rockfon.com](mailto:magdalini.psarra@rockfon.com)



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