

WELL Building Standard™

See how Rockfon's 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 well-being. Workplaces flourish when our leaders prioritize the health and well-being 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 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 well-being 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



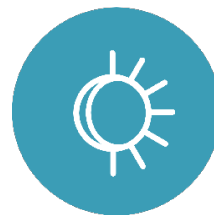
AIR



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 established 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*
A01 Air quality	Precondition	<p>WELL intent: To ensure acceptable level of indoor air quality, based on guidelines from public health authorities.</p> <p>Rockfon: By specifying our UL GREENGUARD Gold certified ceiling and wall products, you are maintaining healthy indoor air quality for your building occupants through the usage of products that have low VOC emissions. For more information, check out our Environmental Product Declarations.</p>	Not applicable
A04 Construction pollution management	Precondition	<p>WELL intent: To minimize the introduction of construction related pollutants into indoor air, remediate contamination and protect building products from degradation.</p> <p>Rockfon: Our products are resistant to relative humidity up to 100% and to sagging as no deflection is visible in high humidity. The specific test method is ASTM C367: Standard Test Methods for Strength Properties of Prefabricated Architectural Acoustical Tile or Lay- In Ceiling Panels.</p>	Not applicable
A05 Enhanced Air Quality	Optimization	<p>WELL intent: To provide enhanced air quality levels, beyond current guidelines.</p> <p>Part 2: Meet enhanced levels for Organic Gases.</p> <p>Rockfon: By specifying our UL GREENGUARD Gold certified ceiling and wall products, you are maintaining healthy indoor air quality for your building occupants through the usage of products that have low VOC emissions. For more information, check out our Environmental Product Declarations.</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*
W07 Moisture Management	Optimization	<p>WELL intent: Limit the potential for bacteria and mold growth within buildings from water infiltration, condensation and internal leaks.</p> <p>Part 2: Design Interiors for Moisture Management.</p> <p>Rockfon: Stone wool is naturally hydrophobic, making Rockfon ceiling tiles moisture resistant; therefore, you can install our products prior to the building being enclosed. In addition, Rockfon products provide no sustenance to microorganisms so stone wool naturally resists the growth of mold and bacteria without the help of added antimicrobials. The property specific applied test standard is ASTM C1338-96: Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings and ASTM D3273: Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.</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*
L01 Light Exposure (indirect)	Precondition	<p>WELL Intent: Provide indoor light exposure through daylight and electric light strategies.</p> <p>Rockfon: Our products have best in class light reflectance (LRs). For example, Rockfon Sonar® has a light reflection of 85% tested using ASTM E1477: Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating- Sphere Reflectometers. Higher LRs mean that the surface reflects more light from the source, resulting in maximum light intensity and promoting alertness and activity. Choosing Rockfon products with high-end surfaces thus represents a good strategy for ensuring that a sufficient amount of light reaches the eye without increasing energy consumption or glare.</p>	Not applicable
L02 Visual lighting design (indirect)	Precondition	<p>WELL intent: Provide visual comfort and enhance visual acuity for all users.</p> <p>Rockfon: Our ceiling and wall products with a high light reflection enhance the benefits of indirect lighting by improving overall lighting uniformity. For example Rockfon Sonar has a best in class light reflection of 85%. The super white surface has a whiteness (L value) of 95 which is tested using HUNTERLAB.</p>	Not applicable
L06 Daylight simulation (indirect)	Optimization	<p>WELL intent: Ensure indoor daylight exposure through daylight simulation strategies.</p> <p>Rockfon: Our products with a high light reflection contribute to luminance levels in simulation models. The high-end surfaces of Rockfon products provide exceptionally balanced light diffusion.</p>	2 points
L07 Visual Balance (indirect)	Optimization	<p>WELL intent: Creating lighting environments that enhance visual comfort.</p> <p>Rockfon: Our products with a high light reflection (LR) drag light further into the space utilizing it further into the interior and their subtle, elegant surfaces diffuse natural and artificial light preventing glare and enhancing visual comfort. Higher LR means that the surface reflects more light from the source, resulting in maximum light intensity and promoting alertness and activity. Choosing Rockfon products with high-end surfaces thus represents a good strategy for ensuring that a sufficient amount of light reaches the eye without increasing energy consumption or glare.</p>	1 point

Thermal comfort concept

WELL features established 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*
T01 Thermal Performance	Precondition	<p>WELL Intent: To provide an acceptable thermal environment by the majority of users.</p> <p>Rockfon: Our products are made out of stone wool which is by nature not only a highly sound-absorptive, but also a highly thermal-insulating material. R values range depending on the thickness and density of the product.</p>	Not applicable
T07 Humidity Control	Optimization	<p>WELL intent: To limit the growth of pathogens, reduce off-gassing, and maintain thermal comfort by providing the appropriate levels of humidity.</p> <p>Rockfon: Our stone wool products are 100% humidity resistant and can be installed prior to the building being enclosed. The products can be installed not just in changing rooms but also in showers. Specifically recommended is the Rockfon® Hygienic™ product.</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*
S02 Maximum noise levels	Optimization	<p>WELL Intent: To achieve desired ambient noise levels, so that noise sources do not impact occupant health and well-being.</p> <p>Rockfon: Our products are highly sound absorptive, many having a Noise Reduction Coefficient rating of NRC 0.90 or higher. They absorb ambient noise generated by mechanical systems and environmental noise that transmits into the building, as opposed to that noise persisting in an otherwise sound-reflective room or space. Adding a highly sound absorptive ceiling can reduce ambient noise levels up to 6 dB(A), increasing the likelihood that the Maximum Noise Level feature will be met.</p>	3 points
S03 Sound barriers	Optimization	<p>WELL intent: To increase the level of sound isolation and speech privacy between enclosed spaces.</p> <p>Rockfon: Our Plenum Barrier Board can be used above walls inside ceiling plenums or below walls inside raised floor plenums to work with the wall to achieve the required STC and NIC ratings between rooms. Acoustic testing shows combined performance with our ceilings to provide the same required isolation as the wall. Our Plenum Barrier Board is especially helpful when trying to meet the Sound Barriers feature while using premanufactured, demountable partition systems.</p>	3 points
S04 Reverberation time	Optimization	<p>WELL intent: To design spaces in accordance with comfortable reverberation times that support speech intelligibility, vocal effort and are conducive to concentration.</p> <p>Rockfon: Reverberation time is dependent on the size of the room and the performance of any sound absorbing surfaces within it. Our acoustic ceilings and wall products are highly sound absorptive, many having a Noise Reduction Coefficient rating of NRC 0.90 or higher. They reduce reverberation effectively and efficiently so that speech is more intelligible and noise levels are more comfortable.</p>	2 points
S05 Sound reducing surfaces	Optimization	<p>WELL intent: To design spaces with sound reducing surfaces to minimize the buildup of speech and other unwanted sound.</p> <p>Rockfon: Our products are highly sound absorptive, many having a Noise Reduction Coefficient rating of NRC 0.90 or higher. They easily meet the Noise Reduction Coefficient (NRC) requirements in the Sound Reducing surfaces feature. Many design aesthetic options are available at these required NRC performance levels.</p>	2 points
S06 Minimum background sound	Optimization	<p>WELL intent: To increase acoustical privacy within and between occupied spaces.</p> <p>Rockfon: Our products help achieve part 2a of the Minimum Background Sound feature – Provide Enhanced Speech Reduction. Our Plenum Barrier Board helps to achieve sound isolation at walls (refer to S03) and our ceiling and wall panels help with implementing Sound Reducing Surfaces (refer to S05).</p>	1 point (for part 2)
S07 Impact noise management	Optimization	<p>WELL intent: To reduce the level of impact noise radiation by designing resilient floors.</p> <p>Rockfon: Adding our suspended acoustic ceiling systems below a concrete floor slab with hard finish floor can decrease the impact noise being transmitted from upper rooms or spaces to those on the floor below. Our ceilings increase Impact Isolation Class (IIC) and Normalized Impact Sound Ratings (NISR) by 10-15 points compared to the floor slab alone, helping to meet the requirements in the Impact Noise Management feature.</p>	3 points
S08 Enhanced audio devices	Optimization	<p>WELL intent: To improve speech intelligibility and accessibility by providing dedicated, high-performance audio technology.</p> <p>Rockfon: Our products are highly sound-absorptive and decrease noise and reverberation. Part 1.b.2 requires that public address systems meet minimum Speech Transmission Index of STI 0.50. The acoustics of the rooms are part of making a public address system intelligible and comply with this minimum STI requirement.</p>	1 point (part 1)

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*
X01 Material Restrictions	Precondition	WELL Intent: To reduce exposure to construction materials known to be hazardous Rockfon: Our ceiling and wall panel applications do not contain any asbestos fibers, lead or mercury and are therefore clear of the restrictions in this category.	Not applicable
X05 Enhanced Material Restrictions	Optimization	WELL intent: Minimize exposure to certain chemicals by limiting their presence in products. Part 2: Select Compliant Architectural and Interior Products. Rockfon: Our products fulfil the requirements in part 2 of this feature since they do not contain halogenated flame retardants or orthophthalates and additionally are free of any chemicals of concern (per REACH, and CA Prop. 65) eliminating exposure risks.	1 point (for part 2)
X06 VOC Restrictions	Optimization	WELL intent: Minimize the impacts of VOC compounds in indoor air quality. Part 2: Restrict VOC Emissions from furniture, Architectural and Interior Products. Rockfon: By specifying our UL GREENGUARD Gold certified ceiling and wall products, you are maintaining healthy indoor air quality for your building occupants through the usage of products that have low VOC emissions. For more information, check out our Environmental Product Declarations.	Max 2 points
X08 Materials Optimization	Optimization	WELL intent: Promote selection of products that have been audited in order to minimize impacts in human and environmental health. Rockfon: Our products manufactured in Europe contribute to both parts of this feature. In part 1, which refers to materials with enhanced chemical restrictions, our products do not contain any compounds in REACH Restriction and authorization lists, while they have been also screened according to the Cradle2Cradle Restricted Substances List. In part 2, which refers to the selection of optimized products, we offer a wide range of products that have been certified with a Silver cradle to cradle certificate in the Material Health category and can help achieve the points in this category.	2 points (1 for part 1 and 1 for part 2)

MIND concept

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

Feature	Compliance	Rockfon's contribution	Max Optimization points*
M02 Nature and Space	Precondition	WELL Intent: Support the well-being of occupants by incorporating the natural environment through the project and integrate design that celebrates the project's identity. Rockfon: Our ceiling and wall products can be aesthetically appealing design solutions that inspire people. Colorful and elegant spaces of any form can be designed with our highly flexible products. Our new Color-all range is selected by well-being experts with a focus on colors that positively affect the well-being.	Not applicable
M07 Restorative Spaces	Optimization	WELL intent: Support access to spaces that provide relief from mental fatigue or stress. Rockfon: Our acoustic ceiling solutions are highly sound absorptive, contributing to a good acoustic environment, designed for relaxation and restoration. Our Color-All range is specifically designed with a high focus on well-being, promoting colors and textures that are calming and incorporate natural colors into the interior.	1 point

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*
I01 Innovate WELL	Optimization	<p>WELL Intent: 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>Rockfon: Our products can enable projects to go above and beyond the current requirements of the existing WELL feature. In addition, we are continuously innovating new applications that create the healthiest spaces. Please reach out to us to scope and achieve an innovation 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>
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