

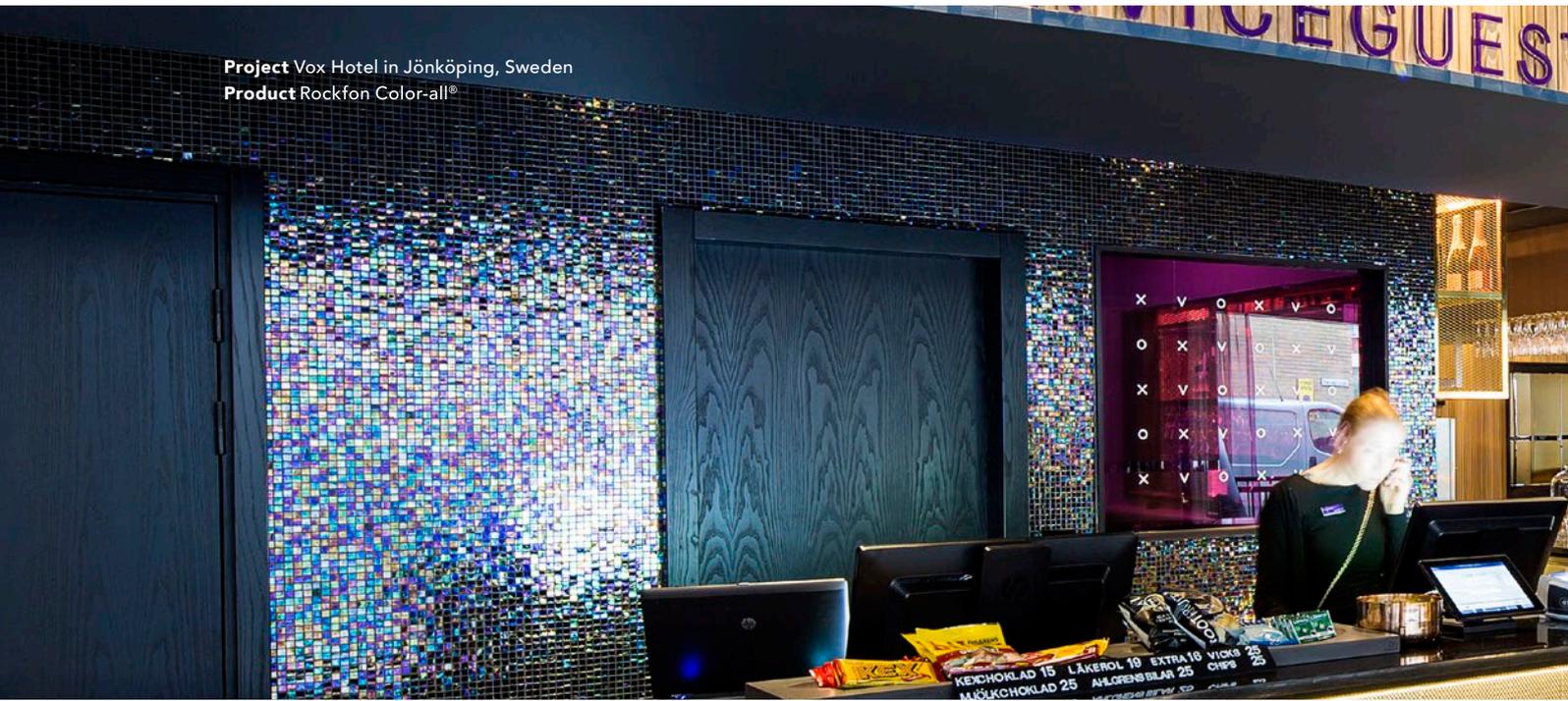
Acoustic Solutions for Hotels

Combine aesthetics, hygiene, and excellent acoustics to create memorable experiences



Sounds Beautiful

Project Vox Hotel in Jönköping, Sweden
Product Rockfon Color-all®



The hotel of the future: new experiences, new opportunities

Why do people travel? A question commonly asked at airport customs, “for business or pleasure?” succinctly sums up the two main reasons. Though business travel continues to be less of a necessity with the rise of online options, leisure travel appears to have rebounded and is as booming as ever.

These two opposite ends of travel will collide with business travellers looking to extend their visits. This allows them to genuinely experience a location and relish the change of scenery.

Whether it’s a new build or a retrofit project, this brochure is for you. You’ll find the latest trends that are shaping hotel design, plus suggestions for taking acoustics beyond the afterthought.

Let this easy-to-navigate booklet inspire and guide you on the course of making the visitor experience the central tenet of your hotel design.

Good acoustics in hotels is not an option; it’s a necessity. Our acoustic solutions can help create the perfect environment for guests to relax in – whether it’s the businessperson resting for an important meeting, or a family enjoying some time off together.

Parik Chopra, Managing Director, Rockfon



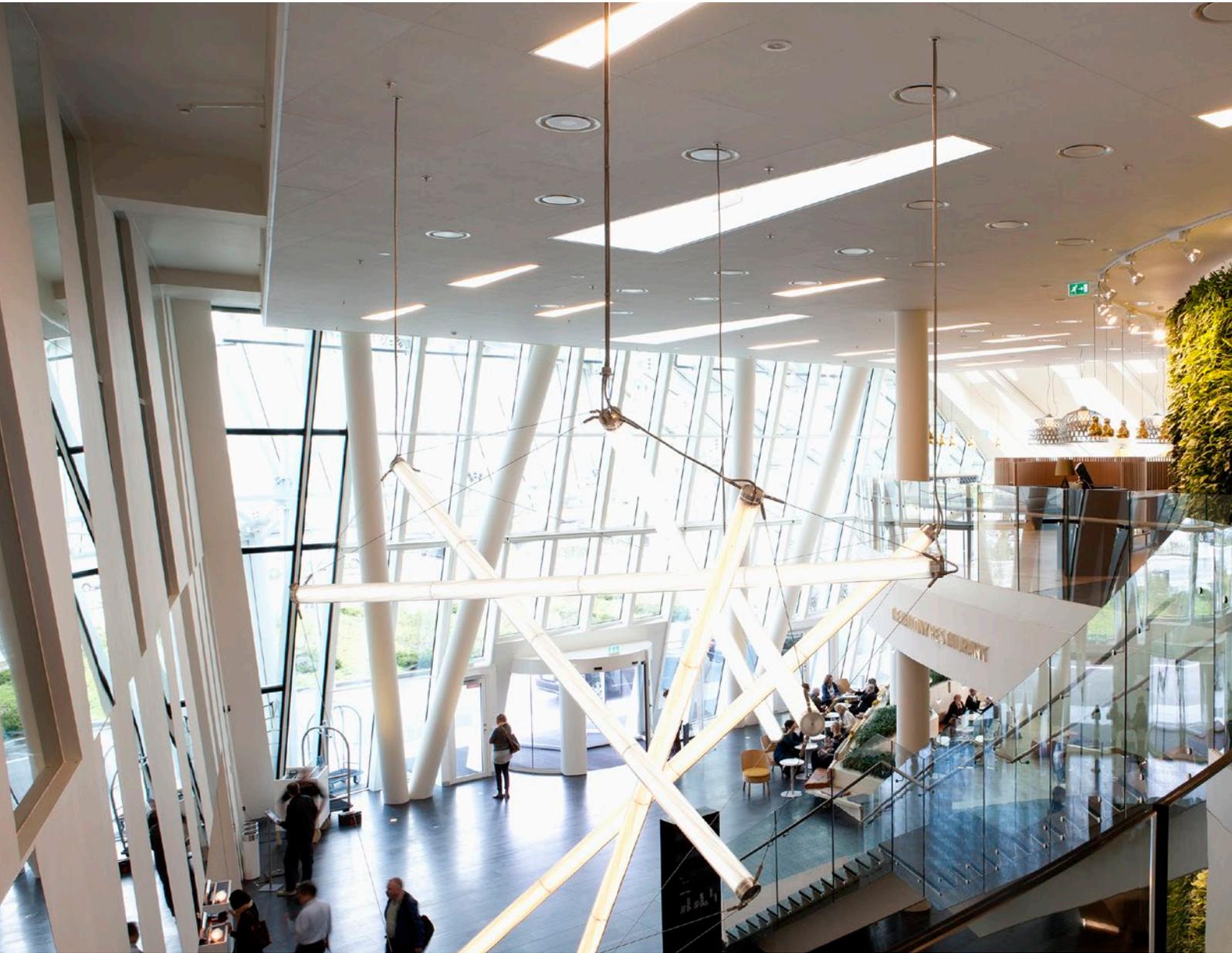
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Key Development Trends in Hotel Design

What the changing reasons for travel entail for the hospitality industry's future

The value of travel is shifting heavily towards "pleasure", seeking to be fully immersed in the comfort and serenity surrounding the local culture. Especially with the rise of the digital nomads, who embrace workcations, this also generates new demands. Furthermore, environmental sensitivity and a desire to be close to nature are becoming increasingly important.



Project AC Hotel Bella Sky Copenhagen, Denmark / Product Rockfon Blanka®



Flexible, multi-functional spaces

The latest trend is to build with the future in mind. This implies that venues will be constructed to adapt to ever-changing needs while also meeting the present demands and preferences of visitors. Spaces need to be as comfortable and convenient to work in as they are to rest in.

How can we help?

Our products are modular, customisable, demountable, and available in multiple formats, edges, and colours. This allows them to blend in harmoniously with the interior or break the conventions to be your centrepiece. In other words, we offer full creative freedom and flexibility to future-proof your interior spaces.



Well-being

People are increasingly aware of the strong link between interior design and well-being. For example, noise level, natural light, air quality, greenery, colours, and texture can all affect our comfort and serenity. Furthermore, with an emerging concern around health, hygiene factors will remain high on the agenda.

How can we help?

Apart from 60 years of experience in delivering high-performing acoustic solutions, we also design our products with well-being in mind – guaranteeing you a restful stay. In addition, our solutions also have high light reflection and best-in-class indoor climate labels. They are easy to clean, ensuring a safe, clean, and healthy environment.

Sustainability

Travellers are more committed than ever to travelling sustainably. This proves that not only are sustainable operations and design approaches important for the environment but they're also important for addressing the demands of the consumer.

How can we help?

Rockfon's products are made from naturally sourced, long-lasting stone wool, with 29% to 64% recycled content in a closed-loop manufacturing process. We also have recycling systems in place as well as resources to assist in eliminating waste in landfills. By using our products, you can earn credits towards building rating schemes while leaving positive impacts on both people's well-being and the planet.

Design for Different Spaces in a Hotel



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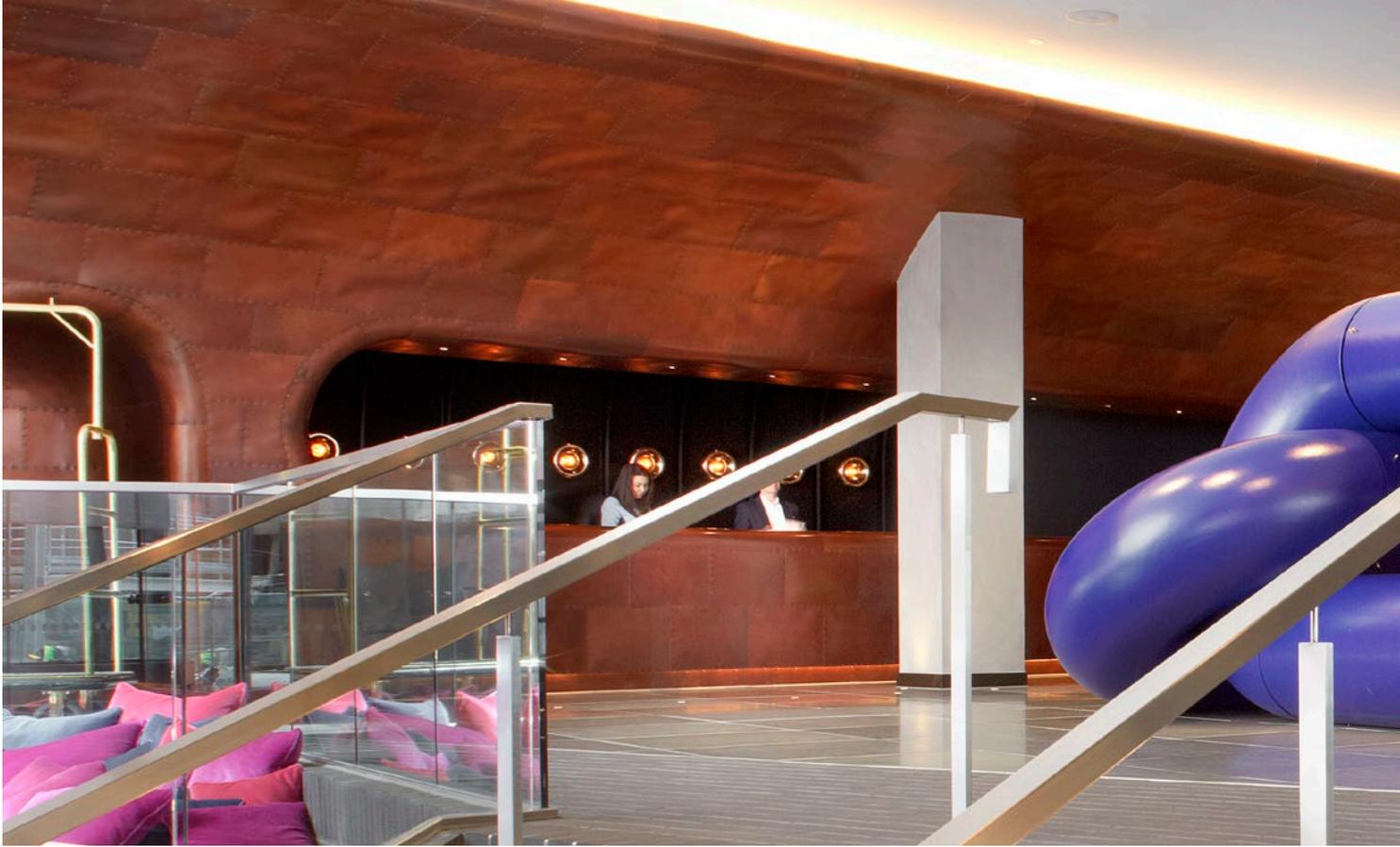


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ACOUSTIC DESIGN SOLUTIONS FOR HOTELS

Whether it's the environmentally-friendly practices or the increased emphasis on experiential design, one thing is certain: interior spaces in hotels are evolving.

Besides price and location, a range of factors can influence the decisions travellers make in choosing hotels. Sustainability efforts, interior design, facilities, and amenities all play a role – and acoustics taps into all those factors.



Reception Area

First impressions matter

Create a welcoming and inspiring atmosphere

First impressions count, and nowhere more so than in a hotel – where the architecture and interior design seek to reflect the lifestyle goals and aspirations of its guests.

Emphasise acoustic comfort

Acoustics in the reception area is especially important. This is due to the generally high level of conversation and footfall, combined with sound reverberation issues as a result of the hard surfaces often used in these areas.

By integrating acoustics into the design phase, you can ensure speech clarity and speech privacy while maintaining visual appeal.

Facilitate flexible, multifunctional spaces

In addition to contactless technology integration, the new design trends highlight a flexible hotel lobby with lightweight, moveable furniture, easily reconfigured based on guests' needs.





Project Mondrian Shoreditch London, England
Product Rockfon® Mono® Acoustic

CASE STUDY

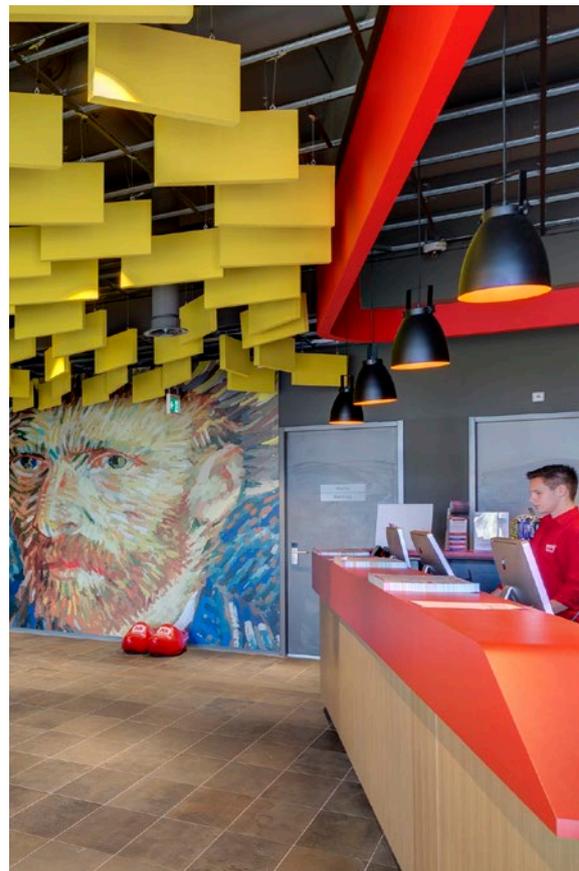
Meininger Hotel Amsterdam City West
The Netherlands

Challenges

The hotel lobby boasts a parametrically-designed ceiling, crafted by Berlin-based architect Christian Sandor Tschersich of LAVA. Drawing inspiration from Vincent van Gogh, the ceiling not only adds visual interest to the space but also serves a practical purpose by helping visitors orient themselves within the lobby. The design integrates various design elements such as colours, height, direction, and density to create a cohesive and immersive atmosphere.

Solutions and Results

This project was executed by using almost nine hundred Rockfon Contour baffles. For architect Christian Sandor Tschersich, this was the first project in which he worked with baffles. And, he was highly impressed with their sound-absorbing capabilities and aesthetic possibilities. Tschersich is now using baffles in his design for a hotel project in Paris, further showcasing their versatility and effectiveness in creating beautiful and functional spaces.

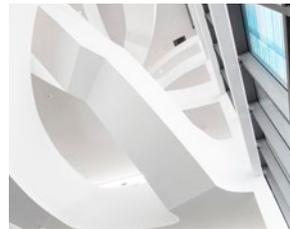


Architect LAVA (Laboratory for Visionary Architecture)
Product Rockfon Contour®

RECEPTION AREA



Project SKY PARK Offices in Bratislava, Slovakia



Our Product Recommendation

Rockfon® Mono® Acoustic

A monolithic design solution, perfect for ceilings and walls

This is our most unique acoustic ceiling solution, adding a timeless touch to the interior. It can be shaped to suit your creativity – from domes to vaulted ceilings, curves to origami shapes. It also provides 87% light reflection and 99% light diffusion, lending lightness to the interior while reducing energy usage during the day.

KEY TAKEAWAYS

- Class A sound absorption
- Curve the surface to as little as a 1500mm radius
- Install sloping, flat, or curved in a suspension grid or mount directly
- Cradle to Cradle Certified® Bronze



Project Ebbepark in Linköping, Sweden
Product Rockfon Blanka®

Other products to consider:

Rockfon Blanka®

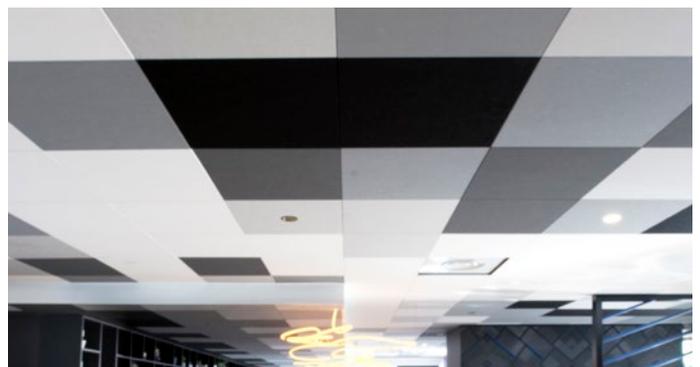
This acoustic tile has a smooth, deep-matte, and super white surface. With 99% light diffusion, Rockfon Blanka draws in natural light 11% deeper into every corner, saving up to 23% of electricity usage.

Rockfon Color-all®

This range of acoustic tiles is available in our curated collection of 34 colours, allowing you to enhance your interior design theme while controlling sound reverberation.

Rockfon Eclipse®

This frameless and innovative acoustic islands comes in a variety of geometric shapes offering excellent sound absorption. A great complement to improve speech intelligibility with a colourful and fun design. These can be suspended alone or under a traditional acoustic ceiling.



3 design tips to improve your reception area:

1. Use Class A acoustic ceiling and wall solutions to minimise noise reflecting from hard surfaces.
2. Emphasise corporate culture and identity by integrating different building materials, colours, and designs.
3. Incorporate biophilic elements, such as plants and natural textures, as well as different materials and colours to foster well-being while breaking up the space.



Hallways

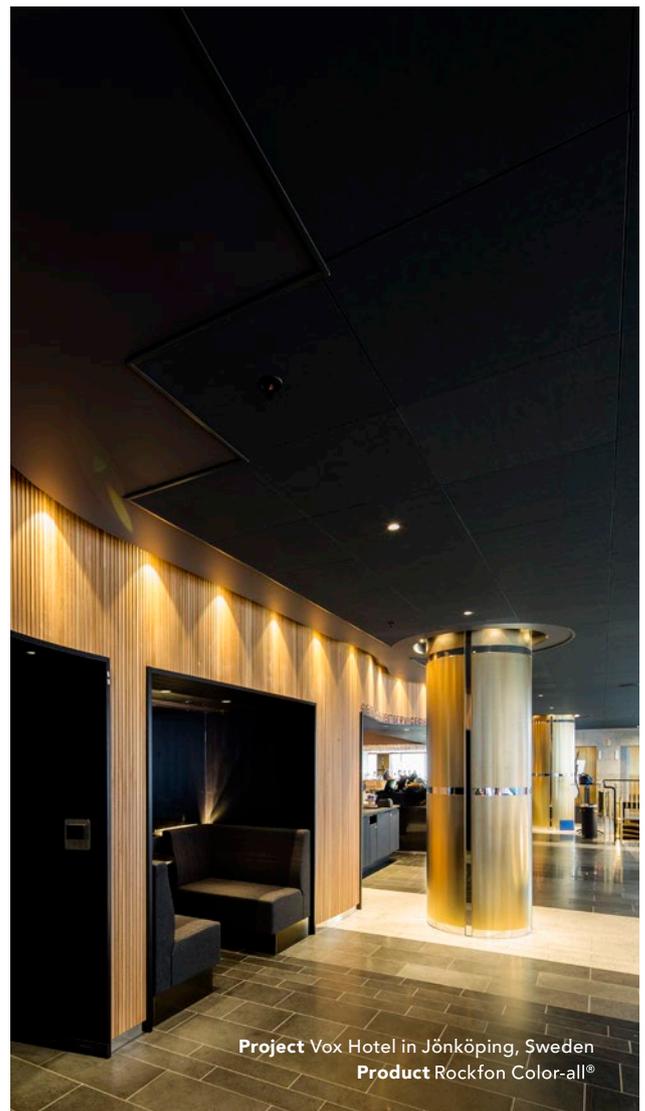
A natural extension of the lobby
– and of the whole hotel

Make the silent pathways interesting

Corridors double up as means to navigate the hotel and a natural extension of the brand. With the use of biophilic elements, colours, and textures, we can keep these walkways sophisticated with a relaxing feel. Additionally, these corridors need to create a seamless transition from the lobby to the guestrooms, providing a cohesive style and ambience.

Keep access limited

The guests' safety is paramount to your business. Multiple layers of separation can allow for improved access control. Additionally, video surveillance monitors can be positioned at every corner of the property.





Project Hotel Narvil Conference & Spa in Serock, Poland
Product Rockfon Blanka®

CASE STUDY

Hotel Theatre Figi
Zeist, Netherlands

Challenges

Interior Architect Gerben van der Molen was at the front during the whole development of the 3D acoustic ceiling. And he started the journey by looking for a ceiling solution that was not only functional and affordable but also fitted the creative setting.

Solutions and Results

The new 3D application to the standard system ceiling was developed by Rockfon together with the interior architect. This ceiling innovation gives the freedom for the architects to play with the heights and patterns of the ceiling panels to fit the interior while granting outstanding acoustics.



Architect Gerben van der Molen, Stars Design by
Products Rockfon Blanka®, Rockfon Color-all®



Our Product Recommendation

Rockfon Eclipse® Customised

Bring personality, style, and acoustic excellence to your interiors with custom-designed ceiling islands – available in any colour and shape.

Manufactured to meet the highest standards, they don't just transform acoustics – they also allow you to set unique accents to the interiors. There are no limits to the creative possibilities.

KEY TAKEAWAYS

- Class A sound absorption
- Custom design in any shape, size, or colour
- Can be used to anchor lighting
- Quick and easy to install

People talk with each other – on the phone and informally as they meet – which creates noisy disturbances if you don't consider acoustics in the design.

Source Arkitema's Senior Project Architect, Michael Green



Project Gothia Towers in Göteborg, Sweden
Product Rockfon Blanka®

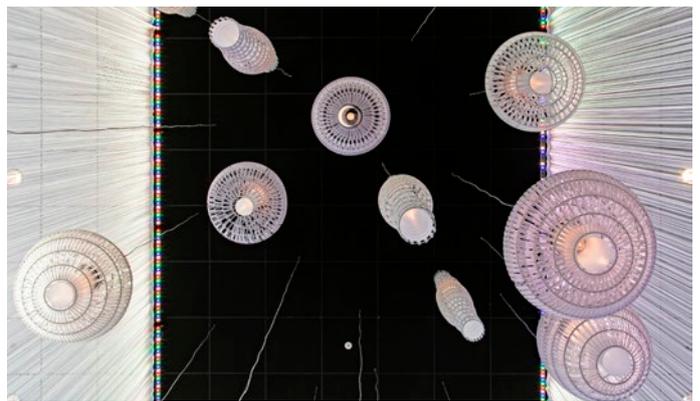
Other products to consider:

Rockfon Contour®

These frameless acoustic baffles are ideal for areas where architecture, skylights, or other design elements don't allow for a suspended ceiling. They are also suitable for spaces that require frequent and unhindered access to services.

Rockfon® Tropic™

This all-around tile has the highest sound absorption rating and a smooth white surface. It is also available in a full range of dimensions, in semi-concealed, and visible grid options, making it a popular and affordable choice.



2 design tips to improve acoustics in the hallways:

1. Use Class A acoustic ceiling and wall solutions to reduce sound travelling, keeping the noise to the minimum.
2. Have sound barriers, such as floor screens, to separate these areas from the rest of the hotel, ensuring a restful stay.



Hotel Rooms

Different travellers desire different types of experiences

Focusing on customer experience

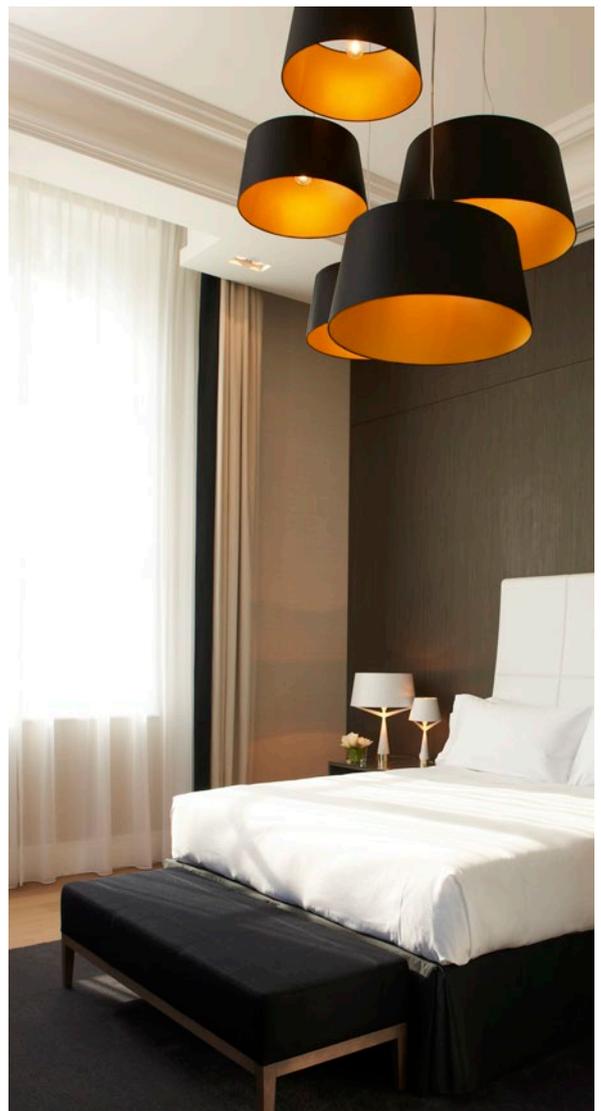
Rising customer expectations are forcing the hospitality sector to use innovative hotel designs to provide a more personalised client experience. One can only expect the hotel business to become more customer-centric, making their goal to be not just a part of their customers' trip but the destination itself.

The new standard in amenities

As more individuals choose to work while travelling, there will be a greater need for rooms that are as pleasant and easy to work in as they are to rest in. Features ranging from work-oriented amenities to hyper-local atmospheres are some of the most contemporary requests.

If people have a bad experience with noise, 86% of them are less likely to recommend the hotel. Additionally, 60% of guests would rather leave a negative online review than complain to the staff. And 82% of people who see multiple bad reviews are less likely to stay in those hotels.

Source J.D. Power. 2019. "North American Hotel Guest Satisfaction Index Study."





Project InterContinental Marseille - Hotel Dieu, France
Product Rockfon® Mono® Acoustic

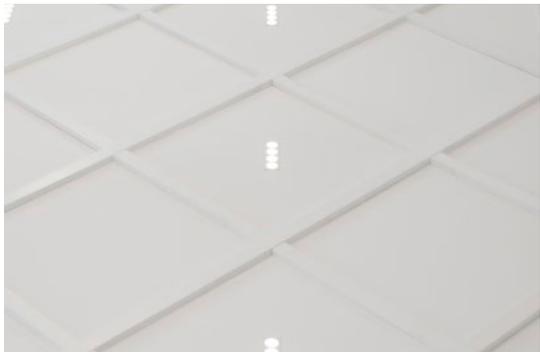
CASE STUDY

Villa Copenhagen
Denmark

Challenges

In an old building with a beautiful façade across the Copenhagen Central Station, you find the modern luxury hotel, Villa Copenhagen. This hotel beautifully combines the old history of the building with modern design.

In the framework of an old and run-down post office, there is a focus on the choice of materials to modernise the interior and create a positive experience for the guests.



Solutions and Results

Villa Copenhagen is a significant example of new, luxury hotels. It has a clear expression of the Nordic design with exclusive furniture and a colour palette in neutral shades. Throughout the hotel, the ceiling is a key element of the design, helping to create a unique story for each room. Rather than being a passive surface, the ceiling is actively used as a creative canvas to complete the overall design and atmosphere of the space.

The interior design of the hotel incorporates colours to create a stylish atmosphere, enhanced by the use of Rockfon acoustic ceilings.





Our Product Recommendation

Rockfon Blanka® dB

Provides enhanced room-to-room sound insulation, as well as the highest level of sound absorption (Class A) in areas where privacy and acoustic comfort are important

This range of acoustic tiles has a high-performance membrane on the back, reducing the transmission of noise from room to room. This allows you to tailor the acoustic properties of each space to meet the specific needs of hotel guests, ensuring that they have a comfortable and peaceful experience during their stay.

KEY TAKEAWAYS

- Dual-layer stone wool tile with inner high performance membrane
- Visible side: smooth, deep-matte, super white painted fleece
- Rear side: back fleece
- Durable painted edges
- Fire performance classification: A2-s1,d0 (EN 13501-1)
- Allows for cleaning with vacuum and/or damp cloth



Our Product Recommendation

Rockfon Eclipse®

Offer flexible installation possibilities and a wide selection of shapes and colours for total design freedom

Rockfon Eclipse are quick and easy to install. You can either suspend them from the ceiling or attach directly to the wall, adding a distinctive visual appeal to any room. In combination with the highest performance in sound absorption, they contribute to reducing reverberation time and sound levels.

KEY TAKEAWAYS

- Excellent sound absorption
- Available in any colour and any shape
- Quick and easy to install
- Perfect for thermal mass installations
- Can be suspended alone or under a traditional acoustic ceiling



Project Ekonomikum in Uppsala University, Sweden

Our Product Recommendation

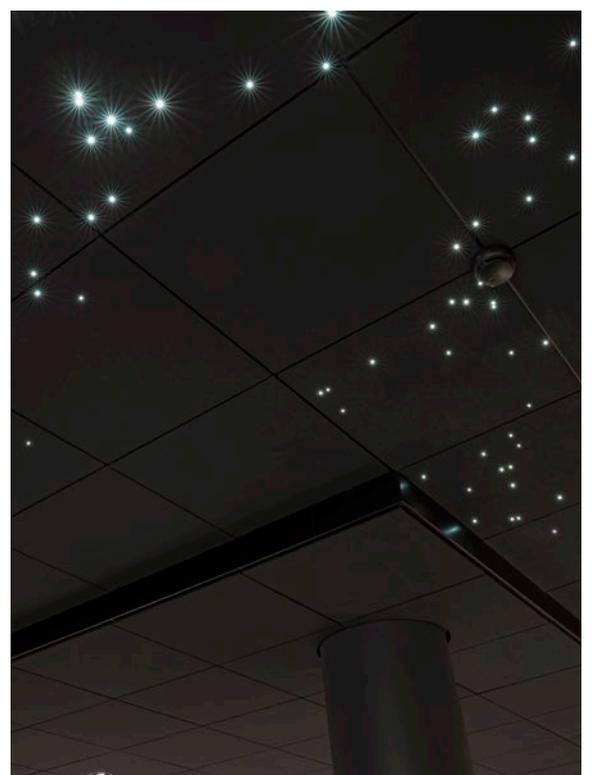
Rockfon Color-all®

Enhance well-being and ambience by using colour

Our coloured ceiling solutions don't just reduce noise, they also help create unique spaces. This range of tiles has been carefully curated by interior design experts and includes 34 exclusive colours that are sure to inspire and enhance any interior space. Whether you're looking to create a warm and inviting atmosphere or a sleek and modern vibe, you'll find the perfect shade in this collection.

KEY TAKEAWAYS

- 34 subtle, yet playful Colours of Wellbeing
- Available with exposed, semi-concealed, and concealed edges in a large variety of module sizes
- Available with matching grid (main runner, cross tees, perimeter wall angle trim) in an attractive matte finish





Project Greenberg Traurig in Miami, the United States
Product Rockfon Blanka®

Other products to consider:

* Rockfon® Canva Wall panel

With their modular structures and detachable canvases, these stylish acoustic wall designs are perfect for adaptable office settings. They provide excellent acoustics with low installation costs and impressive visual appeal. You can quickly update the style when tenants or room functions change.

Rockfon® Sonar®

It's attractive micro-textured white surface, with strong edges for superior durability creates a comprehensive range of aesthetically pleasing tiles.

Rockfon® CleanSpace™ Essential

CleanSpace Essential is a cost-friendly and long-lasting ceiling tile solution that is suitable for a variety of room types. Not only does this tile fulfil the highest demands in terms of cleanliness but it also has enhanced acoustic properties, contributing to a healthy indoor environment.

** Product only available in certain countries, please contact your local sales representative for more details.*





Restaurant & Bar

Kill the noise, not the vibe

Loud noises can affect our sense of taste

Complaints about poor restaurant acoustics are a growing trend. Using platforms like TripAdvisor and Yelp, customers are voicing their opinions. Zagat, a U.S. National Restaurant Review, found that noise was the second most common customer complaint in restaurants.

How can we help?

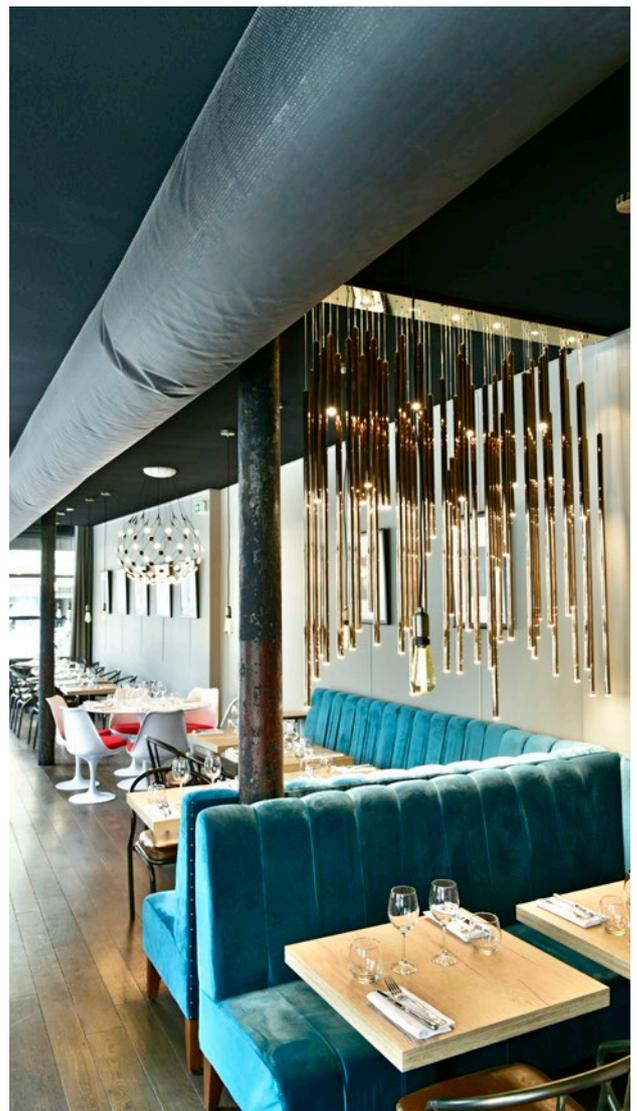
When it comes to acoustic solutions, we know that our customers want the best. That's why most of our products are made with stone wool, a highly sound-absorbing material that can help create a more peaceful and quiet interior environment.

Visit our website to download the brochure dedicated to restaurant and bar design:

rockfon.co.uk/sectors/leisure/

The noise was a big issue in the restaurant and it was often criticised. Now, we receive many compliments from customers not only for the food and interiors but also the acoustic comfort.

Source Alexandre Rondepierre, Director, Les Deux Girafes





CASE STUDY

Hôtel Mercure Hyères Centre
France

Challenges

“To tell a local story” is the challenge of the major hotel chains today, as they are moving from standardising to localising their customers’ experience. This was the case in the lobby of the Hôtel Mercure Hyères Centre. It was impersonal at first but has been transformed into a warm and original space with Rockfon Color-all ceiling tiles.

Solutions and Results

Interior designer Karolina Lubkowski obtained a gradient colour effect with darker colours in the “lounges”, delimited by brightly coloured walls and lighter shades in the circulation areas. The tiles’ X edge is almost invisible, and the architect broke conventions by placing the Rockfon grid obliquely (turned 45°) to obtain a more dynamic look.

The lobby was a noisy space because of the reverberant floor and wide windows. To counteract this, the Rockfon ceiling was chosen to create a quiet and intimate space.



Architect Karolina Lubkowski, KL Architecture & Design Studio
Product Rockfon Color-all®

Project Ordine degli Architetti in Verona, Italy
Product Rockfon Blanka®



Conference Centre

Keep distraction to a minimum

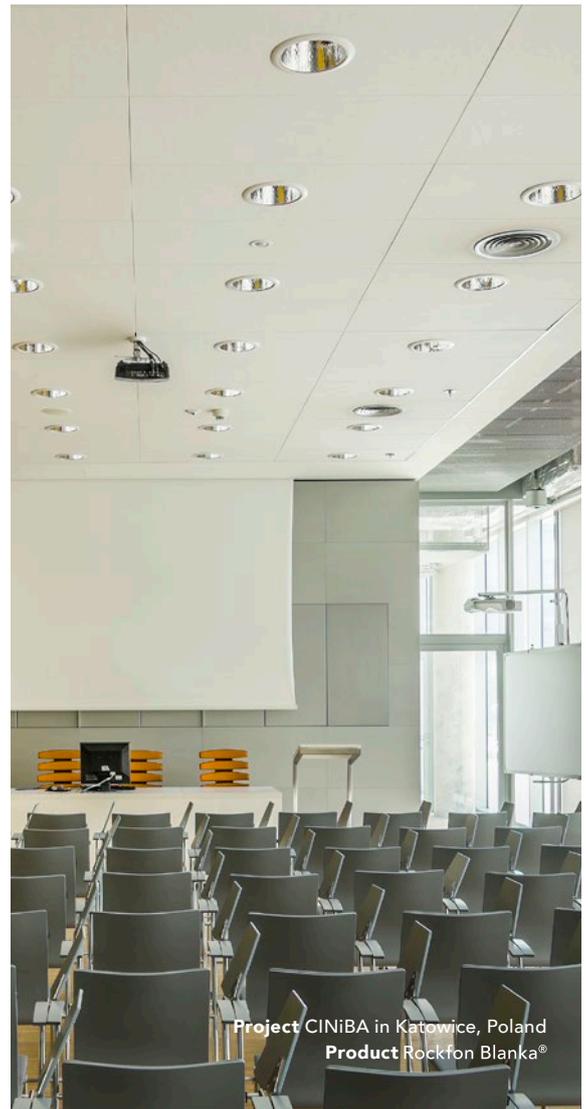
Enhance creativity and co-operation

Dedicated conference rooms are frequently used as launching pads for creative thinking and idea sharing. They must fulfil the physical and technological requirements of those who will use them. The qualities of the space, fixtures, and equipment must address user visibility, acoustics, connection, and accessibility.

Consider furniture that is lightweight, reconfigurable, or on rollers if your meetings are likely to turn into an activity – or if you simply want the option to rapidly swap things up.

Improve speech clarity for better productivity

To promote collaboration and the exchange of information, it is vital to be able to properly hear what is being said. Noise in conference rooms can easily reverberate off hard surfaces. This heightens the need for not only sound absorption but also sound insulation to maintain privacy and confidentiality.



Project CINiBA in Katowice, Poland
Product Rockfon Blanka®



CASE STUDY

Hotel Riverton
Gothenburg, Sweden

Challenges

In January 2019, Hotel Riverton, Gothenburg's largest privately owned hotel, embarked on a large-scale renovation. It was, however, not a typical renovation. The focus throughout the process was on developing an international design feeling to reach new target groups. And, the design shouldn't only be a beautiful sight for the eyes, but also for the ears.

Solutions and Results

To create a cohesive and harmonious atmosphere throughout the hotel, the interior design team chose Color-all acoustic ceiling tiles. They were used in various spaces, such as the restaurant, conference rooms, and the brand-new spa area, allowing them to complement the unique character of each room. The hotel offers a holistic experience for visitors with an array of dining and meeting facilities.

And above all – a good night's sleep.



Architect White Arkitekter
Product Rockfon Color-all®

Project Dorney Boat House, UK
Product Rockfon® Mono® Acoustic





Our Product Recommendation:

Rockfon® Canva™

Freely design conference rooms with customised artworks, display powerful statements, or support wayfinding by using Canva's modular form and detachable canvases. With wall panels and floor screens within the range, they're a smart and easy way to create flexible, feel-good spaces.

*Rockfon® Mono® Acoustic

This is our most unique acoustic ceiling solution, adding a timeless touch to interiors. It can be shaped to suit your creativity – from domes to vaulted ceilings, curves to origami shapes. It also provides 87% light reflection and 99% light diffusion, lending lightness to the interior while reducing energy usage during the day.

Rockfon Blanka®

This acoustic tile has a smooth, deep-matte, and super white surface. With 99% light diffusion, Rockfon Blanka draws in natural light 11% deeper into every corner, saving up to 23% of electricity usage.



3 design tips to improve the conference rooms:

1. Use Class A acoustic ceiling and wall solutions to avoid echoing.
2. Choose thick and dense sound-insulating materials to avoid sound transmitting to an adjacent room.
3. Select design elements that stimulate creativity with the use of materials, textures, and colours.

** Product only available in certain countries, please contact your local sales representative for more details.*



Spa & Wellness

Positive sensory engagement with our surroundings

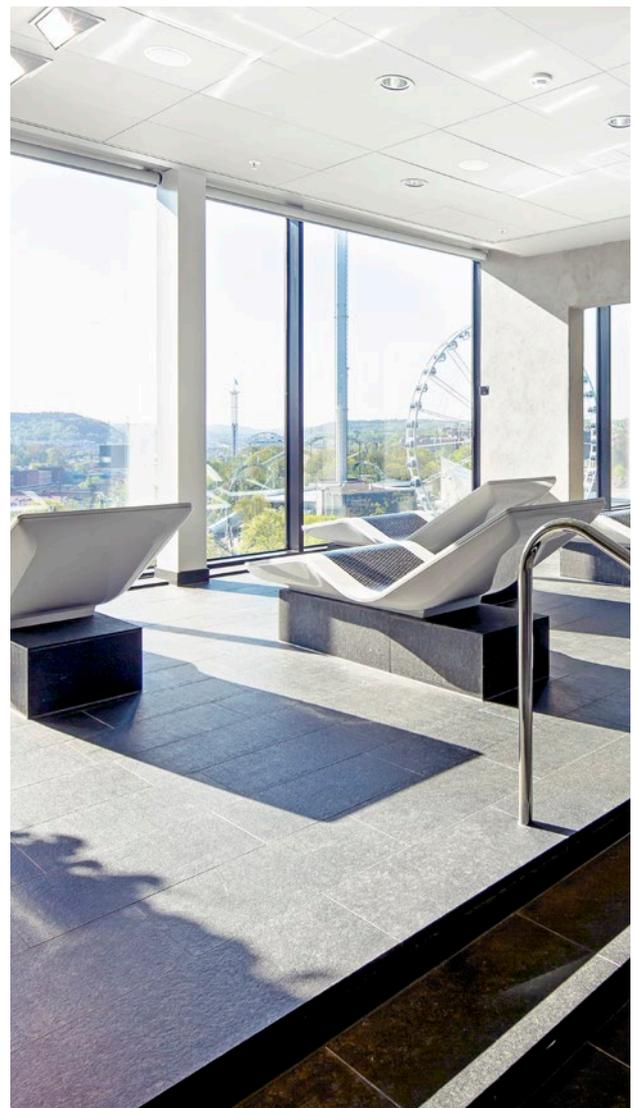
Create a memorable wellness experience

As we place increased focus on our mental and physical well-being, hotel designers are focusing on creating spaces that nourish the guests.

To meet the high demand, hotels must be invigorating and revitalising both physically and emotionally. This means that hotel owners must prioritise everything from indoor air quality to access to the outdoors and natural light, maximum thermal comfort, and specialised workout facilities.

The wellness movement has driven demand in the market and is moving the spa experience from an occasional treat to a regular part of ongoing wellness.

Source Becky Woodhouse, CEO, PURE Spa & Beauty





Project Serenity Spa by Riverston in Gothenburg, Sweden
 Product Rockfon Color-all®

CASE STUDY

Aethos Monterosa campZero Resort
 Champoluc, Italy

Challenges

Aethos Monterosa is a new active luxury resort in Champoluc, designed to bring together design, innovation, tradition, and sustainability, while maintaining harmony with the surrounding landscape. One of the challenges of the resort is its busy nature and the need for diversified areas by function. The resort is the first of its kind for mountain enthusiasts.

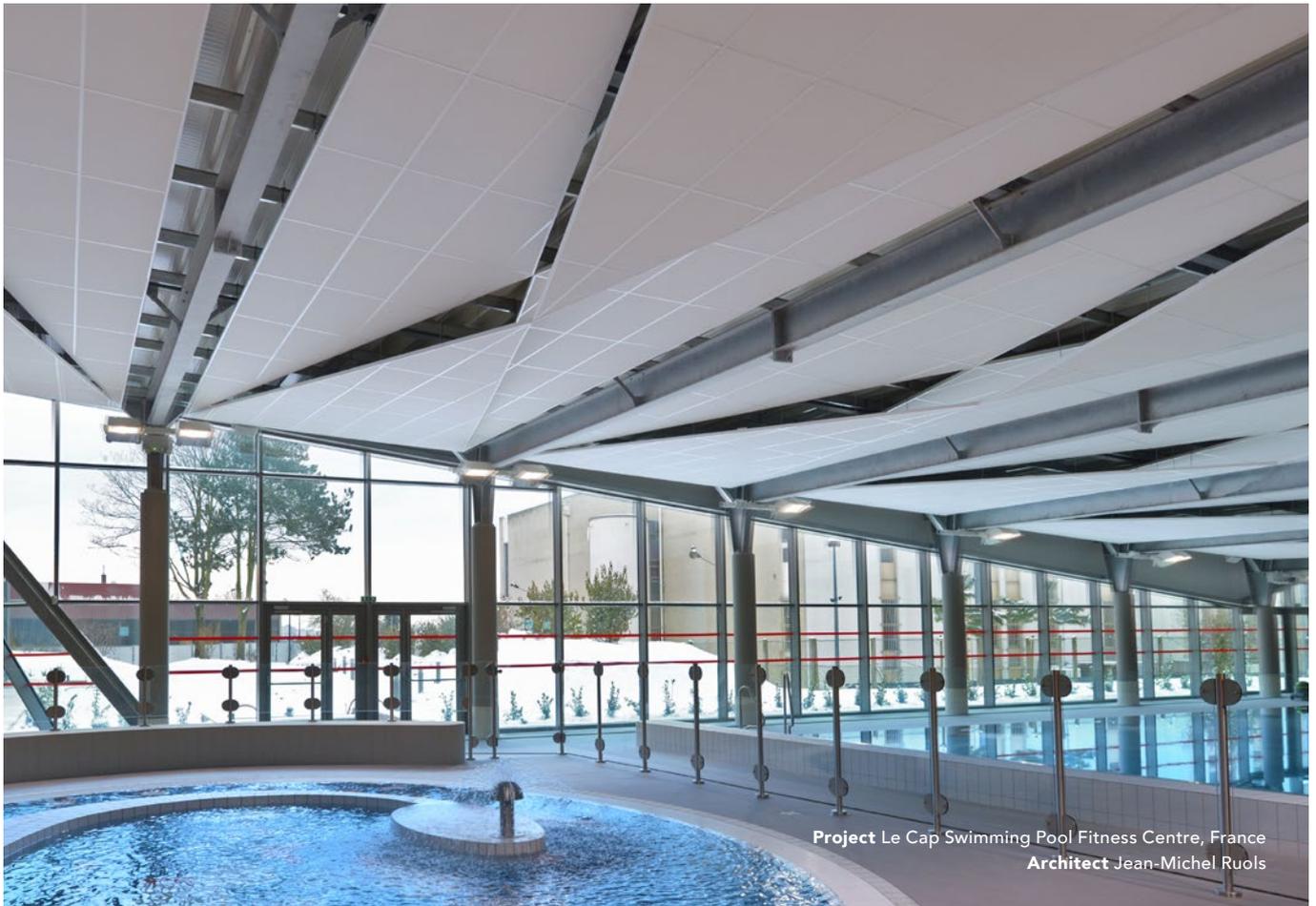
Solutions and Results

Rockfon acoustic solutions were used throughout Aethos Monterosa to ensure that guests experience maximum comfort in all areas. Rockfon Mono Acoustic was used in the common areas, including the bistro and the swimming pool. Meanwhile, Rockfon Contour frameless acoustic baffles were installed to create the internal climbing wall. The materials were chosen for their high acoustic performance and resistance to humidity, and the customisable monolithic surfaces helped achieve the desired aesthetic result.



Architect Marco Maresca, Studio BladIdea
Products Rockfon® Mono® Acoustic, Rockfon Contour®





Project Le Cap Swimming Pool Fitness Centre, France
Architect Jean-Michel Ruols



Our Product Recommendation

Rockfon® CleanSpace™ Pro

An aesthetic ceiling tile solution that is designed to fulfil hygienic needs to create safe, shared areas

CleanSpace Pro is a versatile and durable product that is suitable for use in a variety of practical and industrial spaces with cleanability requirements. Easy to cut and install, it's a convenient choice for any project and boasts excellent acoustic properties.

KEY TAKEAWAYS

- ISO Class 4 certified
- Class A acoustic performance
- Aesthetic finish with A- & E-edge
- HACCP approved and anti-static
- Allows for vacuum, damp cloth, low-pressure foam, and high-pressure cleaning
- Resistant to certain (diluted) chemicals with no impact and no sustenance to microorganisms



Our Product Recommendation

Rockfon® Boxer™

A highly impact-resistant tile ideal for indoor sports facilities

In a gym setting, it is important to reduce noise levels and improve speech clarity in order to create a more comfortable and functional environment. This can be achieved by implementing Rockfon Boxer on both the ceiling and walls. This sound-absorbing solution is also resistant to impact, as this active type of spaces will inevitably be subjected to rough treatment.

KEY TAKEAWAYS

- Excellent sound absorption for noisy and reverberant areas
- Meets the requirements of maximum impact resistance (Class 1A) when installed with Rockfon System Olympia Plus A Impact 1A
- Visible side: micro-textured, white, and reinforced fleece
- Rear side: back fleece



Project InterContinental Marseille - Hotel Dieu, France
Product Rockfon® Mono® Acoustic

Other products to consider:

*Rockfon® Mono® Acoustic

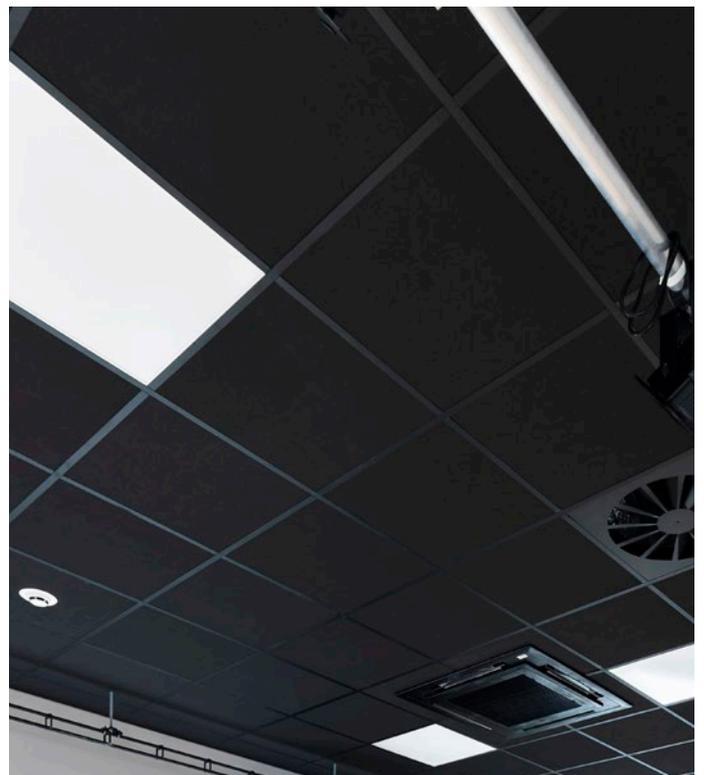
This is our most unique acoustic ceiling solution, adding a timeless touch to interiors. It can be shaped to suit your creativity – from domes to vaulted ceilings, curves to origami shapes. It also provides 87% light reflection and 99% light diffusion, lending lightness to the interior while reducing energy usage during the day.

Rockfon Color-all®

Designing gym facilities requires a balance between form and function. This product line offers a selection of 34 exclusive colours that can help you create a cohesive and personalised interior design theme while also effectively controlling sound reverberation.

Rockfon® VertiQ® wall panel

This attractive, impact-resistant, and highly sound-absorbing wall panel is ideal for sports facilities. It is also available in four colours.



* Product only available in certain countries, please contact your local sales representative for more details.



Toilets & Locker Rooms

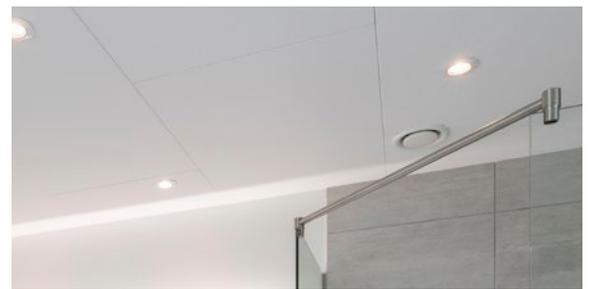
Bringing hygiene to tranquility

Raise the hygiene standards while keeping the noise down

Hard surfaces are good for cleaning and hygiene purposes, but not for noise. To help offset this challenge, it is important to look for acoustic solutions that can dampen sound reflection and withstand humid environments.

Resist the humidity

Moisture often builds up in naturally “wet” rooms, which can weaken the structure of certain ceiling panels, causing them to lose shape and sag over time. It can also expose people to mould, mildew, or bacteria.



2 design tips to improve acoustics in “wet” places like toilets or locker rooms:

1. Use acoustic solutions that can withstand humid environments, which won't sag over time and don't contribute to mould and bacteria build-up.
2. Use Class A acoustic ceiling and wall solutions to minimise noise reflecting from hard surfaces.



Our Product Recommendation

Rockfon® CleanSpace™ Essential

A cost-friendly, aesthetic ceiling tile that is easy-to-clean

CleanSpace Essential is a cost-friendly ceiling tile solution that is long-lasting and suitable for a variety of room types. Not only does this tile fulfil the necessary cleaning requirements in most spaces but it also has enhanced acoustic properties, contributing to a healthy indoor environment.

KEY TAKEAWAYS

- Class A acoustic performance with A-edge in 20mm thickness
- Easy to clean with damp cloth or vacuum cleaner
- ISO Class 4 certified

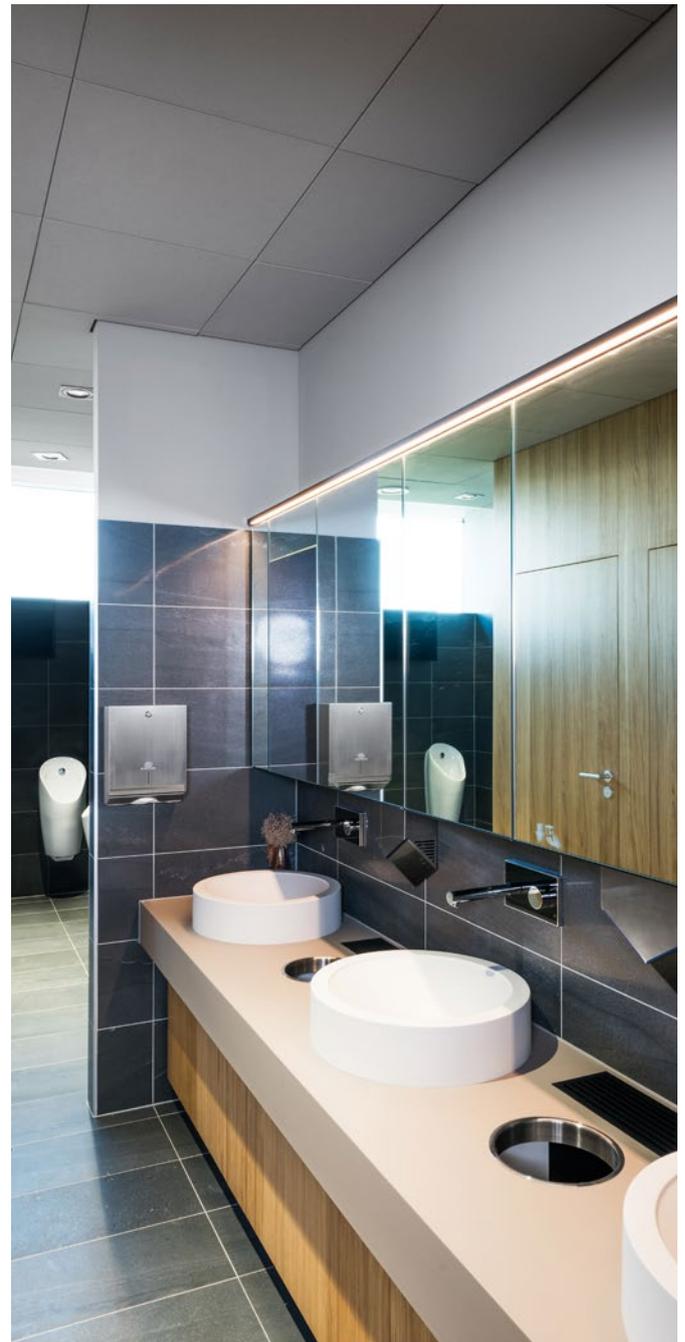
Other products to consider:

Rockfon® Koral™

An attractive white, micro-textured surface that has the highest sound absorption rating – this easy-to-clean acoustic ceiling solution is a practical and affordable choice.

Rockfon® Artic®

This acoustical ceiling tile is made from stone wool and features standard sound absorption while featuring excellent sag, mold and mildew resistance. Ideal for most common applications.





Childcare

Creating a family-friendly holiday for guests

Raise the hygiene standards

In light of emerging health concerns, it is necessary to design hotels that prioritise hygiene and the cleanability of building materials.

Keep the noise down

A certain level of noise is desirable when working with young children; however, constant high levels of noise can be stressful for both children and practitioners. Acoustics need to be carefully considered to ensure that speech clarity and noise reduction meet safety standards.

Promote sensory experience

Sensory play offers children a unique opportunity to engage with the world in a way that helps them grow and develop. This kind of active play helps create connections in the brain that allow for increasingly complex thoughts and tasks.

Therefore, it's important to address and incorporate all five senses into the design of the childcare facility.





CASE STUDY

Grand Hotel Valies
Roermond, the Netherlands

Challenges

Grand Hotel Valies is a luxury family hotel in a unique location at the centre of Roermond. Staying true to its Art Deco exterior and interior, the hotel is filled with a “wow effect” when you enter.



Interior Architect Arnie van Dun
Products Rockfon® Mono® Acoustic, Rockfon Blanka®

Despite the constraints of budget and child-friendliness, the team behind Grand Hotel Valies was able to create a one-of-a-kind hotel experience.

Solutions and Results

One of the key features that makes Grand Hotel Valies a great choice for families with children is the dedicated children’s area located at the back of the hotel. In addition to this play area, the hotel’s spacious rooms are affordable, making it a budget-friendly option.

Grand Hotel Valies opened to the public in October 2018. Many guests entering the majestic entrance look around with some suspicion. Is this the right hotel? Isn’t this much more expensive than we booked? “If that is the effect, our mission has been accomplished,” the interior architect Arnie van Dun concludes.





Product Rockfon Eclipse® Customized (Clouds)



Our Product Recommendation

Rockfon Sonar® Activity

Designed for spaces where speech intelligibility is crucial, and noise and activity levels are very high

This acoustic tile comes with 40mm thickness, making it ideal for controlling sound level at low frequencies. Rockfon Sonar Activity features a smooth, non-directional surface that not only reduces installation time but also enhances the product's durability. Its resistance to dirt and everyday wear and tear helps extend its lifetime, making it a practical and cost-effective choice.

KEY TAKEAWAYS

- Class A sound absorption
- A1 fire resistance standard
- Visible side: deep-matte, smooth, and super white painted fleece
- Rear side: back fleece
- Durable painted edges



Other products to consider:

Rockfon Eclipse® Customised

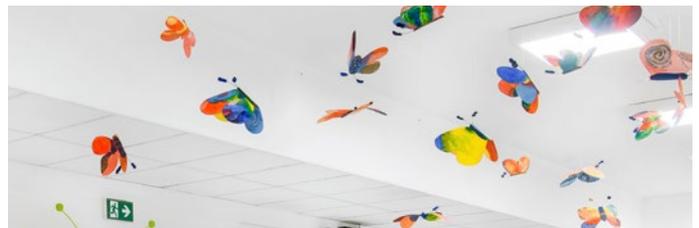
It is the ideal solution for bringing a new aesthetic dimension to any space while improving acoustics. The sky is the limit as this versatile range of stone wool islands can be customised in any shape and colour.

Rockfon Color-all®

This range of acoustic tiles is available in our 34 exclusive Colours of Wellbeing, allowing you to enhance your design theme while also controlling sound reverberation.

*Rockfon® Canva™ Wall panel

With their modular structures and detachable canvases, these stylish acoustic wall designs are perfect for adaptable settings. They provide excellent acoustics with low installation costs and impressive visual appeal. You can quickly update the style when tenants or room functions change.



3 design tips to improve acoustics in childcare centre:

1. Use Class A acoustic ceiling and wall solutions to absorb all speech frequencies, especially the low ones.
2. A 40mm tile at the perimeters of the room can help increase speech clarity.
3. Select design elements that stimulate creativity, productivity, and motivation with their materials, textures, and colours.

Visit our website to download the brochure dedicated to school design:

en.rockfon.international/sectors/education



Project World Trade Centre in Malmö, Sweden
Product Rockfon Blanka®

Co-Working Spaces

Hybrid hospitality: an all-in-one offering

Foster the 'bleisure' or business-leisure tourism trend

As more people work remotely, hotels must appeal to a new sector of 'bleisure' travellers, or the employees taking advantage of their newfound workplace flexibility by extending trips that combine work, exploration, and leisure.

Cater to the needs for inspiration and networking

Aside from fast reliable internet, hotels have the ability to connect travelling professionals, entrepreneurs, and local communities in dynamic, centralised locations.

3 design tips to improve acoustics in the co-working space:

1. Use Class A acoustic ceiling and wall solutions to reduce sound travelling, keeping the noise to a minimum.
2. Have sound barriers, such as floor screens to separate these areas from the rest of the hotel.
3. Utilise sound masking to blur out conversations, helping others maintain focus.

The lack of privacy and noise distractions are serious problems that many workers face at co-working spaces, with 48% of respondents complaining about it.

Source Clutch. 2020. "Top Benefits & Challenges of Coworking Spaces."



Our Product Recommendation

* Rockfon® Canva™

Combine hygiene and acoustic performance in a single design element

Choose from our palette of 34 contemporary Colours of Wellbeing or create a custom canvas with your choice of a brand logo, product, artwork, message, or signage – Rockfon Canva offers unlimited design freedom.

Furthermore, Canva's modular structure and detachable canvases allow you to machine wash, dust, vacuum, or disinfect with antibacterial wipes. With wall panels and floor screens within the range, they offer an intelligent way to create clean, adaptable, feel-good art pieces with excellent acoustics.

Other products to consider:

Rockfon Eclipse®

This innovative and aesthetically pleasing frameless acoustic ceiling island offers excellent sound absorption. This is great complement to an industrial style design office or even installing below a suspended ceiling for additional sound absorption.

Rockfon Sonar® dB

This range of acoustic tiles has a stone wool core with a high-performance membrane on the back, reducing the transmission of noise from room to room. The tiles vary in width to provide increasing levels of sound insulation and sound absorption.

Rockfon® Universal™ Baffle

This product, available in white and 34 inspiring colours, is perfect for workspace environments with an exposed soffit. Its two end-capped and fully framed edges help to prolong the product's lifespan, making it a durable and cost-effective choice.

KEY TAKEAWAYS

- Class A sound absorption
- Canvas is changeable and machine-washable
- Custom canvas design possible
- Customisable frame size
- Low emission rates with M1 and A+ certification

Visit our website to download the brochure dedicated to workspace design:

en.rockfon.international/sectors/office



Product Overview

Performance	Rockfon Blanka®	Rockfon Blanka® Activity	Rockfon Blanka® dB 41	Rockfon Blanka® dB 46	
 Sound absorption	α_w : up to 1.00 (Class A) NRC: up to 1.00	α_w : up to 1.00 (Class A) NRC: 1.00	α_w : 0.90 (Class A) NRC: 0.90	α_w : 0.90 (Class A) NRC: 0.90	
 Direct sound insulation	-	-	$R_w = 21$ dB	$R_w = 25$ dB	
 Room to room sound insulation	-	-	$D_{n,f,w} = 41$ dB with Acoustimass = 52* dB with Soundstop 30 dB = 55* dB	$D_{n,f,w} = 46$ dB with Acoustimass = 55* dB with Soundstop 30 dB = 58* dB	
 Surface durability	Enhanced durability and dirt resistance. Wet-scrub resistance: Class 5				
 Impact resistance		N/A	-	-	
 Light reflection	87% light reflection >99% light diffusion				
 Cleaning	Vacuum, damp cloth				
 Hygiene	Stone wool provides no sustenance to microorganisms.				
 Humidity and sag resistance	Up to 100% RH. No visible deflection in high humidity. C/0N				
 Reaction to fire	A1		A2-s1,d0		
 Recyclability	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).				
 Clean Room	-	-	-	-	
 Disinfection	N/A				
 Thermal insulation	-	-	-	-	

*C - centre distance between baffle rows, H - suspension height: net distance between baffle and soffit.

** 2.6%, quaternary ammonium 0.25%, hydrogen peroxide 5%, Ethanol 70% and Isopropanol 70%

*** Tested with: Methicillin Resistant Staphylococcus Aureus (MRSA), Candida Albicans, Aspergillus Brasiliensis, E.Coli, Bacillus cereus.

M1 / zone 4 for the tested 5 pathogens. The particle elimination kinetics class conforms to CP(0.5)5 according to the norm NF S 90-351:2013

	Rockfon® Canva™ Floor screen	Rockfon® Canva™ Wall panel	Rockfon® CleanSpace™ Essential	Rockfon® CleanSpace™ Pro
	A _{eq} m ² /item	α _w : 0.95 (Class A) NRC: 0.90	α _w : up to 1.00 (Class A) NRC: up to 1.00	α _w : 1.00 (Class A) NRC: 0.95
	-	N/A	-	-
	-	N/A	-	-
	Detachable, washable, and replaceable canvas		-	Enhanced durability and dirt resistance
	-	Tested for impact resistance in accordance with EN 13964-Annex D and fulfills the Impact Resistance requirements for class 2A	-	-
	-	-	85% light reflection	
	Frame: Vacuum, damp cloth, & low-pressure foam cleaning. Canvas: Vacuum, damp cloth, & washing in normal machine wash cycle up to 70 degrees		Vacuum, damp cloth, steam cleaning (twice a year) Chemical resistance: Tested according to ISO 2812-3:2019 and classified in accordance with EN 12720. Rating on a scale from 1 to 5, where 5 is the best. We obtained 5 for the following detergents and disinfectants (quarterly disinfection): Active chlorine 2.6%, Hydrogen peroxide 5%, Ethanol 70%	Vacuum, damp cloth, steam cleaning (twice a year), low- pressure foam cleaning (twelve times a year), high-pressure cleaning (monthly and only applicable for A-edge installation). Chemical resistance: Tested according to ISO 2812-3:2019 and classified in accordance with EN 12720. Rating on a scale from 1 to 5, where 5 is the best. We obtained 5 for the following detergents and disinfectants (monthly disinfection): Active chlorine 2.6%, quaternary ammonium 0.25%, hydrogen peroxide 5%, Ethanol 70% and Isopropanol 70%
	Stone wool provides no sustenance to microorganisms			Stone wool provides no sustenance to microorganisms. Microbiological class M1 fulfilling the requirements of Zone 4 (very high risk) defined by NF S 90-351:2013.***
	Up to 100% RH. No visible deflection in high humidity. C/0N			
	B-s1,d0 Based on EN 13501-1	B-s1,d0 Based on EN 13501-1	A1	A1
	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type)			
	-	N/A	ISO Class 4	ISO Class 4
	N/A	-	-	Resistant to using hydrogen peroxide vapour disinfection with impact on aeration time
	-	-	-	-

Product Overview

Performace	Rockfon® Sonar®	Rockfon® Sonar® Activity	Rockfon® Sonar® dB 41	Rockfon® Sonar® dB 46	Rockfon® Artic®	
 Sound absorption	α_w : up to 1.00 (Class A) NRC: up to 1.00	α_w : up to 1.00 (Class A) NRC: up to 0.95	α_w : 0.90 (Class A) NRC: 0.85	α_w : 0.90 (Class A) NRC: 0.90	α_w : 0.90 (Class A) NRC: 0.85	
 Direct sound insulation	-	-	Rw = 21 dB	Rw = 25 dB	-	
 Room to room sound insulation	Dn,f,w = 27 dB	-	Dn,f,w = 41 dB	Dn,f,w = 46 dB	-	
 Surface durability	-	-	-	-	-	
 Impact resistance	-	-	-	-	-	
 Light reflection	85%	85%	85%	85%	82%	
 Cleaning	- Vacuum - Damp cloth - Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide				Vacuum	
 Hygiene	Stone wool provides no sustenance to microorganisms					
 Humidity and sag resistance	Up to 100% RH. No visible deflection in high humidity C/ON					
 Reaction to fire	A1		A2-s1,d0		A1	
 Recyclability	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).					
 Clean Room	ISO Class 5	ISO Class 5	-	-	-	
 Disinfection	-	-	-	-	-	
 Thermal insulation	-	Thermal conductivity: $\lambda_D = 40 \text{ mW/mK}$ Thermal resistance: R = 1,00 m2K/W	Thermal conductivity: $\lambda_D = 40 \text{ mW/mK}$ Thermal resistance: R = 0,85 m2K/W	Thermal conductivity: $\lambda_D = 40 \text{ mW/mK}$ Thermal resistance: R = 1,25 m2K/W	-	

*C - centre distance between baffle rows, H - suspension height: net distance between baffle and soffit.

** 2.6%, quaternary ammonium 0.25%, hydrogen peroxide 5%, Ethanol 70% and Isopropanol 70%

*** Tested with: Methicillin Resistant Staphylococcus Aureus (MRSA), Candida Albicans, Aspergillus Brasiliensis, E.Coli, Bacillus cereus.

M1 / zone 4 for the tested 5 pathogens. The particle elimination kinetics class conforms to CP(0.5)5 according to the norm NF S 90-351:2013

	Rockfon Color-all®	Rockfon Color-all® wall panel	Rockfon Contour®	Rockfon Eclipse®	Rockfon Eclipse® Customised	Rockfon Eclipse® wall panel
	α_w : 0.95 (Class A) NRC: up to 0.95	α_w : up to 0.95 (Class A) NRC: up to 0.95	A_{eq} (m ² /item)	A_{eq} (m ² /item) Further acoustic data available; contact your local Rockfon technical support.		
	-	-	N/A	N/A		
	-	-	N/A	N/A		
	-	-	N/A	Enhanced durability and dirt resistance. Wet-scrub resistance: Class 5	N/A	Enhanced durability and dirt resistance. Wet-scrub resistance: Class 5
	-	-	N/A	N/A		
	Colour-dependent		79% light reflection	87% light reflection (rear side: 79%) >99% light diffusion	Colour-dependent	87% light reflection (rear side: 79%) >99% light diffusion
	Vacuum		Vacuum	Vacuum, damp cloth	Vacuum	Vacuum, damp cloth
	Stone wool provides no sustenance to microorganisms	-	Stone wool provides no sustenance to microorganisms			
		Up to 100% RH	Up to 100% RH Not suitable for use in swimming pools or outdoors. For more information, please contact Rockfon.	Up to 100% RH. No visible deflection in high humidity. Not suitable for use in swimming pools or outdoors. For more information, please contact Rockfon.	Up to 1000% RH. No visible deflection in high humidity. Not suitable for use in swimming pools or outdoors. For more information, please contact Rockfon.	Up to 90% RH. No visible deflection in high humidity. Not suitable for use in swimming pools or outdoors. For more information, please contact Rockfon.
	A1 Color-all Mercury & As edge: Class A2-s1,d0	A1, Color-All Mercury: Class A2-s1,d0 (EN 13501-1)	A1	A1 Rockfon Eclipse Rectangle 2360: A2-s1,d0	A2-s1,d0	A1 Rockfon Eclipse Rectangle 2360: A2-s1,d0
	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).					
	-	-		N/A		
	-	-		N/A		
	40mm: Thermal conductivity: $\lambda D = 37$ mW/mK Thermal resistance: 40mm: $R = 1.05$ m ² K/W	-	-	-	-	-

Product Overview

Performance	Rockfon® Koral™	Rockfon® Mono® Acoustic
 Sound absorption	α_w : up to 0.95 (Class A) NRC: up to 0.90	α_w : 0.90 (Class A) NRC: 0.90
 Direct sound insulation	-	$R_w = 22$ dB
 Room to room sound insulation	-	-
 Surface durability	-	-
 Impact resistance	-	-
 Light reflection	86% light reflection	87% light reflection >99% light diffusion (Elegant Render)
 Cleaning	Vacuum, damp cloth	Vacuum
 Hygiene	Stone wool provides no sustenance to microorganisms	
 Humidity and sag resistance	Up to 100% RH. No visible deflection in high humidity C/0N	Up to 100% RH. No visible deflection in high humidity. Can be used in swimming pools provided it is not exposed to condensation, splashing water or water droplets. The suspension system components must be corrosion resistant and the plenum well ventilated. For more information, please contact Rockfon.
 Reaction to fire	A1	A2-s1,d0
 Recyclability	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).	
 Clean Room	-	-
 Disinfection	N/A	-
 Thermal insulation	-	-

*C - centre distance between baffle rows, H - suspension height: net distance between baffle and soffit.

** 2.6%, quaternary ammonium 0.25%, hydrogen peroxide 5%, Ethanol 70% and Isopropanol 70%

*** Tested with: Methicillin Resistant Staphylococcus Aureus (MRSA), Candida Albicans, Aspergillus Brasiliensis, E.Coli, Bacillus cereus.

M1 / zone 4 for the tested 5 pathogens. The particle elimination kinetics class conforms to CP(0.5)5 according to the norm NF S 90-351:2013

	Rockfon® Soundstop™	Rockfon® Tropic™	Rockfon® Universal™ Baffle	Rockfon® VertiQ® wall panel
	-	α_w : up to 1.00 (Class A) NRC: up to 1.00	A_{eq} m2/item	α_w : 1.00 (Class A) NRC: 1.00
	Rw = 30 dB	N/A		-
	-	N/A		-
	-	-	N/A	-
	-	N/A		-
	-	86% light reflection	White (77%) Charcoal (4%) Color-all (Colour dependent)	White (72%) Lightgrey (61%) Grey (33%) Black (5%)
	N/A	Vacuum, damp cloth	Vacuum	
	Stone wool provides no sustenance to microorganisms			
	Up to 100% RH. No visible deflection in high humidity C/0N		-	-
	A1		A2-s1,d0	A2-s1,d0 (EN 13501-1)
	All products are fully recyclable. The recycled content of Rockfon products is between 29% and 64% according to ISO 14021. Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).			
	-	-	N/A	-
	-	N/A		-
	-	-	-	-

We're your partner towards sustainable development

Sustainability sits at the heart of our research and development. It's why we use natural stone, and constantly work towards a lower carbon footprint in our manufacturing. While we are not in every country with our Rockcycle solution yet, we're expanding our recycling service across Europe and Asia.

Many property developers have started to choose building materials that can contribute to sustainable construction. Building certifications like LEED, BREEAM, DGNB, or WELL are growing in popularity, and luckily our products can help you earn points in these schemes.

Do you know that stone wool is a fully recyclable building material that can be recycled repeatedly without any degradation in quality?

We can recycle our own old stone wool ceiling tiles and cut offs from installation, as well as upcycle wet felted mineral fibre ceiling tiles from other manufacturers. We help make a meaningful contribution to a greener planet.

Visit our webpage for more information about our takeback scheme.

Rockfon sees sustainability as an imperative, driving us to reimagine acoustic solutions and their place in modern interiors.

Christian Klinge, Innovation Director at Rockfon





Project Copenhagen Tower II, Denmark
Architect Foster + Partners



Be part of making the world sound better to everyone

Part of ROCKWOOL Group, Rockfon is the world's leading acoustic company – and our mission is to keep things quiet.

We're the shh in relaxing hotel experiences

Every day, we're inspired to create innovative solutions that help people relax and have a quality time during their hotel stays. Our acoustic treatments go beyond eliminating noise; they also incorporate visual aesthetics, hygiene, and other sensory experiences to immerse guests in a tranquil and multisensory experience.

We're here to help

We have 22 offices and 7 manufacturing facilities worldwide and we're on hand to help you find the right acoustic solutions for your next hotel project.



We're your partner towards sustainable development
Our high-quality products are made from natural stone. They work, they're beautiful and they last – until they're recycled to make more. And we provide all the necessary documentation to support you in creating a sustainable hotel project.

Our online resources

Explore our website for sound calculations, instruction videos, documents, and a comprehensive BIM library with objects compatible with ArchiCAD and Revit. Speed up your design processes with these free resources on: ***en.rockfon.international***

Let's connect

Give us a call whether you need advice on getting the right acoustic environment for your project, want to hear more about one of our products, or just need technical support.

We're here to help.



Rockfon
ROCKWOOL Middle East FZE
971-4-214-6284
rockfonme@rockfon.com



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Sounds Beautiful

