

# Acoustic Solutions for Hospitals

Hygienic and high-performing acoustic solutions to improve patient recovery and caregiver well-being



Sounds Beautiful



### Transforming hospital interior design for the future

Healthcare design has become increasingly crucial in shaping patient outcomes and satisfaction. For patients, thoughtful design conveys comfort and can ease anxiety. For caregivers, it can promote an improved workflow and collaboration.

In this guide, you'll learn more about how acoustic solutions can support healing architecture. Discover trends in hospital design, critical insights, and essential knowledge, as well as ideas for making acoustic performance a priority – whether in a new build or a retrofit project. And finally, you'll be able to explore the most suitable solutions for your project.

Well-being is at the heart of everything we do.  
Our high-performing and hygienic acoustic  
solutions support healing in hospitals.

Parik Chopra, Managing Director, Rockfon



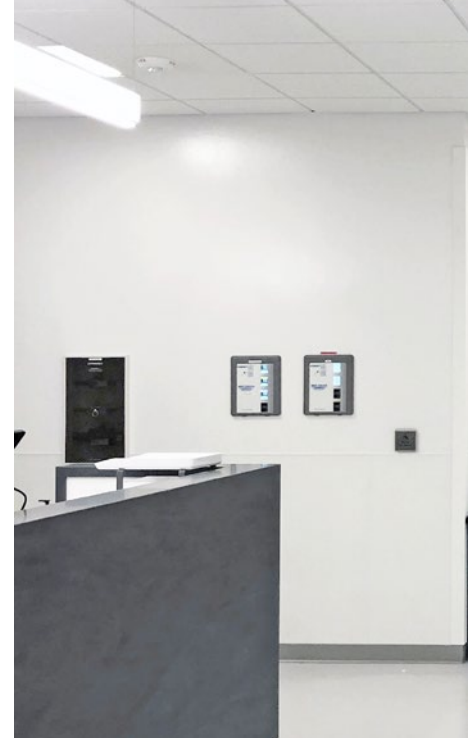
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# Emerging Trends in Healthcare Design

## Developing a pleasant atmosphere for patients and their caregivers

Well-being is an objective across all facets of hospital interior design, and the field continues to evolve for urgent digital transformation and sustainability needs. In this chapter, we take a deep dive into these trends and see how they can better satisfy the needs of patients, visitors, and staff.





## Well-being for both patients and caregivers

It is incontestable that there is a strong link between interior design and well-being. Environmental factors like noise level, lighting, air quality, access to greenery, colours, and texture work together to accelerate patient recovery and reduce caregiver stress. And, with post-pandemic health concerns, hygiene matters more than ever.

### How can we help?

Our 60 years of experience in delivering top-notch acoustic solutions is coupled with a commitment to designing products that enhance well-being. Our solutions not only look great but are also designed to meet the most rigorous hygiene requirements, especially in the healthcare sector. Our products have the potential to make a real difference for patients and staff alike – improving experiences, reducing stress, and encouraging relaxation for everyone.



## Flexibility 2.0 for future demand and digital transformation

The pandemic prompted the quick implementation of digital healthcare solutions for in-person interactions, exhibiting the important quality of agility and flexibility in hospital design and management. Floor plans that allow for quick spatial changes and reuse are becoming prioritised.

### How can we help?

Our products are modular, customisable, and demountable and are available in multiple formats, edge types, and colours. This allows them to be installed and modified with ease while meeting the hygiene codes required in hospitals. In other words, we offer full creative freedom and flexibility to future-proof your digital-first hospital.

## Sustainability

In line with ambitious energy targets, the healthcare sector is responding to urgent environmental needs with increased efforts to reduce its carbon footprint. These include enhanced ventilation, optimal thermal conditions, increased exposure to daylight, blue-enriched lighting, and environmentally-friendly building materials.

### How can we help?

Rockfon 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 and resources to assist in eliminating waste in landfills. By using our products, you can earn credits towards building rating schemes while leaving a positive impact on both individual well-being and the planet as a whole.

# Designing the Different Spaces of a Hospital



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## ACOUSTIC DESIGN SOLUTIONS FOR HOSPITALS

Hospitals are busy places, serving a large number of people on a daily basis while accommodating different functions. This adds to the complexity of the structure and has an impact on how a hospital is designed.

The necessity to satisfy different demands is one of the most difficult challenges that architects face when designing a hospital. The patient's room must be pleasant and relaxing for their comfort. Caregivers must be able to move through the space swiftly and efficiently. Family and other visitors must have a place to wait without interfering with the attending staff's productivity or the patient's recovery.

Additionally, the surgical areas must also be designed to meet the specific technical requirements and provide a safe environment for undergoing procedures.



# Reception Area

The first touchpoint at the hospital

## Echo feelings of calm and safety

Visiting a healthcare facility can be a stressful experience. This means that the reception area should make every effort to put visitors at ease as soon as they walk in. A welcoming reception desk and comfortable visitor chairs might help achieve this.

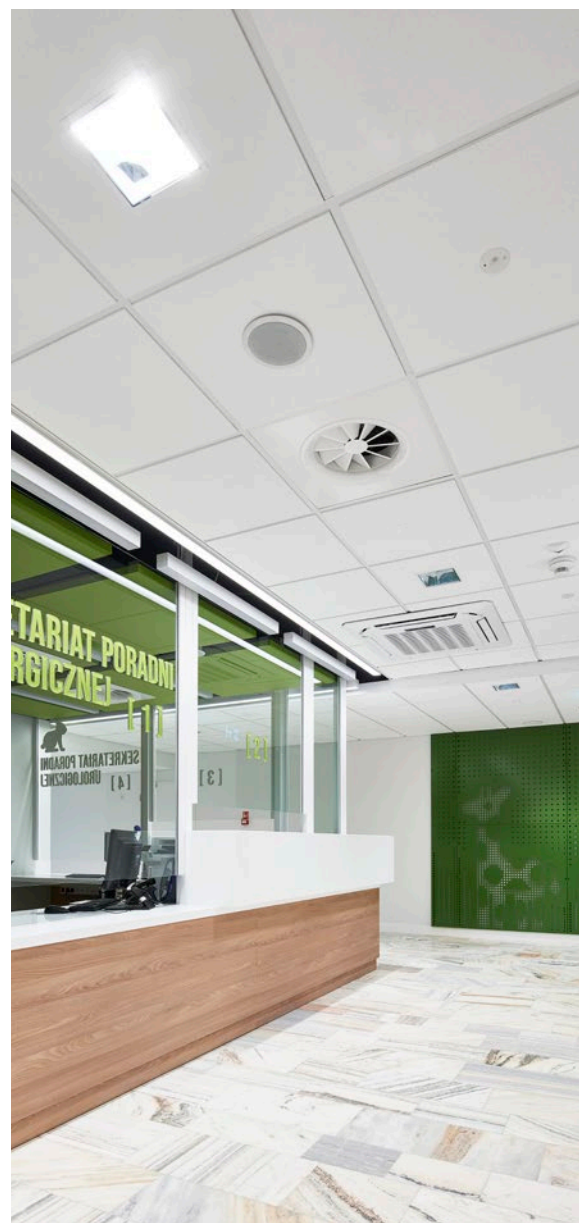
Furthermore, natural light and biophilic elements, such as indoor plants or art with a warm, earthy colour palette, can help inspire patients while assisting concierge efforts.

## Maintain patient confidentiality

The acoustics in the reception area is essential because of the high level of conversation and foot traffic, as well as sound reverberation problems caused by hard surfaces frequently utilised in these areas.

Furthermore, upon entering a medical facility, visitors are frequently asked personal questions that can make them feel self-conscious and uneasy. A well-designed reception area provides patients with the privacy they need.

And, by including acoustics in the design process from the start, you can ensure both privacy and speech clarity while maintaining visual appeal.





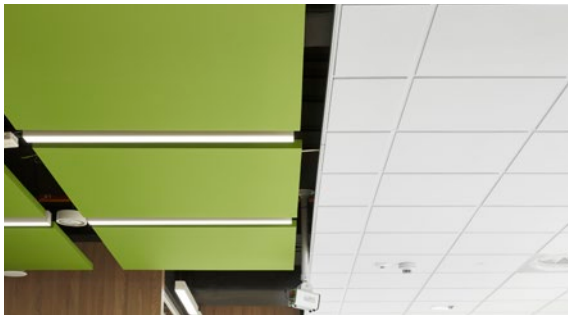


## CASE STUDY

Children's Hospital  
Medical University of Warsaw, Poland

### Challenges

The walls, equipment, and noise in the hospital can be intimidating for children, making it a challenge to calm and prepare them for visits and examinations. It's not surprising that certain hospitals are exclusively designed for children, with an increased focus on providing psychological support through an array of amenities and facilities including indoor parks, interactive installations, and artwork.



**Architect** Aleksandra Czubaszek-Siłuch  
from Kuryłowicz & Associates  
**Products** Rockfon MediCare® Plus

### Solutions and Results

The reception areas of hospitals are busy, noisy places, with high foot traffic – generating a harmful cocktail of noise. To control the noise level at the Children's Hospital of Medical University of Warsaw, the acoustic ceilings Rockfon MediCare Plus and decorative acoustic islands Rockfon Eclipse Colour were installed to create a comfortable atmosphere.

"In the IPCZD project, Rockfon ceiling tiles play a very important role – they emphasise the character of the interior. In the communication and sanitary spaces, white and full suspended ceilings were used to brighten the room and separate spaces. In staff rooms and in the cafe, we installed acoustic ceiling islands to create a less 'hospital-like' atmosphere," said the project architect Aleksandra Czubaszek-Siłuch.





## 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, from curves to origami shapes. It also provides 87% light reflection and 99% light diffusion, bringing natural light inside while reducing energy usage during the day.

#### KEY TAKEAWAYS

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

Patients in hospitals have demonstrated higher levels of agitation in rooms with less light.

Source Anjali Joseph, Ph.D., EDAC, Director of Research, The Centre for Health Design

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



**Project** Uppsala University Hospital, Sweden  
**Product** Rockfon® Blanka

### Other products to consider:

#### 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 also controlling sound reverberation.

#### Rockfon® Blanka

Its smooth, deep matt, super white surface has high light reflection and light diffusion properties, creating a bright and comfortable indoor space. In fact, the surface draws in natural daylight 11% further than many other ceilings.



### 4 design tips for the reception area:

1. Use Class A acoustic ceiling and wall solutions to maintain privacy and improve speech clarity.
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.
4. Use soundproof glass doors and windows to block the sounds that leak in from busy streets.



# Hallways & Breakout Areas

The busy arteries of a hospital transporting patients, visitors, staff, medical equipment, and trolleys

## Keep the hustle and bustle separate

Breakout areas offer a much-needed break for both staff and visitors. These spaces provide a change in scenery and a retreating space to escape to when stress is high in the hospital.

## Make the silent pathways interesting

Corridors double as a path through the hospital and a natural extension of the experience. With the use of biophilic elements, colours, and textures, we can retain the elegance of these pathways while providing a soothing atmosphere. Because hospital corridors execute so many duties they require a high-functioning and proactive design, emphasising mobility and convenient access to the plenum, where all building services are hidden.

## Keep the access limited

Privacy and safety are paramount in hospitals. All zones should be separated with appropriate permissions and controls in place. Video surveillance is necessary to keep an eye on every nook and cranny of the facility.





## CASE STUDY

The Nursing Home of the Future  
Aalborg, Denmark

### Challenges

The Nursing Home of the Future is located in Nørresundby, near Limfjorden. Amenities include spacious, bright apartments as well as access to common areas that are far from institutional. The architects who designed the nursing home intended to make it livelier and appealing for its residents. However, they recognised that increasing the number of shared spaces may lead to noise issues if not managed carefully.

### Solutions and Results

All public spaces and corridors in the building were lined with acoustic ceiling tiles, ensuring excellent noise control. Because of its acoustical qualities as well as the grid system being hidden, Rockfon Sonar was chosen over other options.

“We have worked from the principle that residents should not be disturbed in their flats by noise from the corridor,” said the N+P Arkitektur architect Thomas Nørkær.



Architect N+P Arkitektur and Østergaard Arkitekter  
Product Rockfon Sonar®



Project Children's Hospital,  
Medical University of Warsaw, Poland

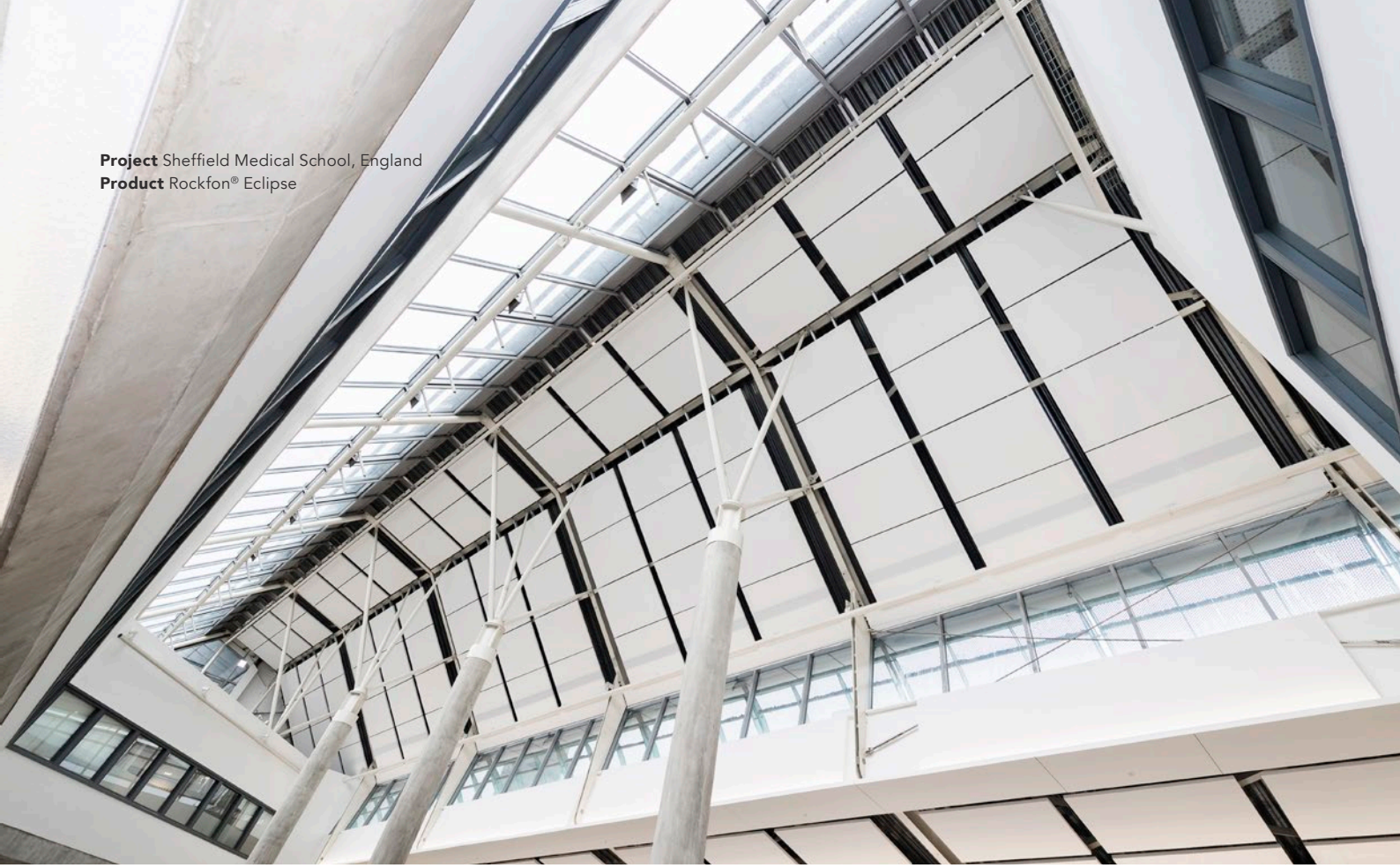
## Our Product Recommendation

### Rockfon MediCare® Standard

**An outstanding balance of acoustic comfort and cleanability for use in healthcare environments**  
Rockfon MediCare Standard fulfils all standard cleaning and hygienic requirements in healthcare settings. It doesn't contribute to the growth of MRSA and ensures low particle emission, guaranteeing a healthy environment. Rockfon MediCare Standard is available in a standard range of tile dimensions with semi-concealed and visible grid options.

### KEY TAKEAWAYS

- Class A sound absorption
- A1 fire resistance standard
- Microbiological class M1
- Clean Room Classification: ISO Class 5
- Visible side: micro-textured, white-painted fleece
- Rear side: back fleece
- Painted edges



### 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 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 VertiQ® wall panel

The VertiQ wall panels are a cost-effective solution for increasing sound absorption, for example, where suspended ceilings are out of the question or impossible. These appealing, impact-resistant, highly sound-absorbent wall panels are perfect for busy corridors. Four distinct colours are available.

#### Rockfon® Tropic

Rockfon Tropic is a versatile tile with the highest sound absorption rating, Class A. It comes in a full range of dimensions in semi-concealed and visible grid options. A straight forward, cleanable and popular solution.



### 3 design tips to improve the hallways and breakout areas:

1. Use Class A acoustic ceiling and wall solutions to reduce sound travel and keep noise to a minimum.
2. Use coloured acoustical ceilings to enhance both aesthetic appeal and wayfinding.
3. Hang art acoustic wall panels on the vertical surfaces or bring in plants to soothe the senses while soften echoes.



## Waiting Area

Significantly enhancing the commitment to patient-centric care

### Patient comfort goes far beyond a comfortable chair

Because patients and caregivers spend so much time in the waiting area, the space can significantly contribute to their well-being and overall hospital experience. Natural lighting and views of the outside are highly desirable, in addition to comfortable furniture and a peaceful atmosphere. The availability of seating options may also enhance the patient's experience. And, technology options should be available, allowing people to be connected and plugged in to ease the stress of passing time.

### Focus on hygiene to mitigate cross-infection

Cross-infection control is another important requirement in waiting areas. Ideally, patients with infectious diseases should be kept separate from other patients, especially those who are more susceptible to infection. Textiles and surface materials should be non-porous and have as few seams and catch points as possible. They should also be able to withstand frequent cleaning with harsh disinfectants.







## CASE STUDY

Morrison Hospital  
Swansea, Wales

### Challenges

Swansea's Morrison Hospital underwent a 102 MGBP makeover as part of an ambitious initiative to restructure hospital care in Southwest Wales.

### Solutions and Results

Rockfon ceiling solutions are installed throughout the hospital including in the impressive main atrium in the outpatient department.

"BAM Construction had already chosen Rockfon for its outstanding acoustic performance, cost, and infection control properties. The use of Rockfon Eclipse helps keep reverberation levels to a minimum in this busy area. This product line provides a fascinating sculpture which lends patterns of light and visual variety to the large space," said Design Manager Mike Sealey.

The Rockfon MediCare Plus tiles are installed in all wards, treatment rooms, corridors, and dental school rooms. They exceed all essential hygiene requirements in healthcare environments and comply with the Department of Health's HBN and HTM guidelines.



**Architect** IBI Nightingale  
**Products** Rockfon MediCare® Plus,  
Chicago Metallic™ T24 Click 2890, Rockfon® Eclipse



## 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 anti-bacterial 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.

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

### 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



Product Rockfon® Blanka

### Other products to consider:

#### Rockfon Color-all®

Comes in 34 exclusive colours of acoustic ceiling and wall solutions to inspire and enhance your interior design scheme, It is available in concealed, semi-concealed and visible grid solution and it in variety of tile sizes, giving you total design freedom.

#### Rockfon® Blanka dB

This range of acoustic tiles has a high-performance membrane on the back, reducing the transmission of noise from area to area. The tiles also vary in width to provide increasing levels of sound insulation and sound absorption, suitable for different needs.

#### Rockfon Eclipse® Customised

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



### 3 design tips for hallways and breakout areas:

1. Use Class A acoustic ceiling and wall solutions to reduce sound travel, keeping the noise to a minimum.
2. Install sound barriers to separate these areas from the rest of the hospital.
3. Incorporate biophilic elements, such as plants and natural textures, as well as different materials and colours to mitigate stress while breaking up the space.



## Nurse Station

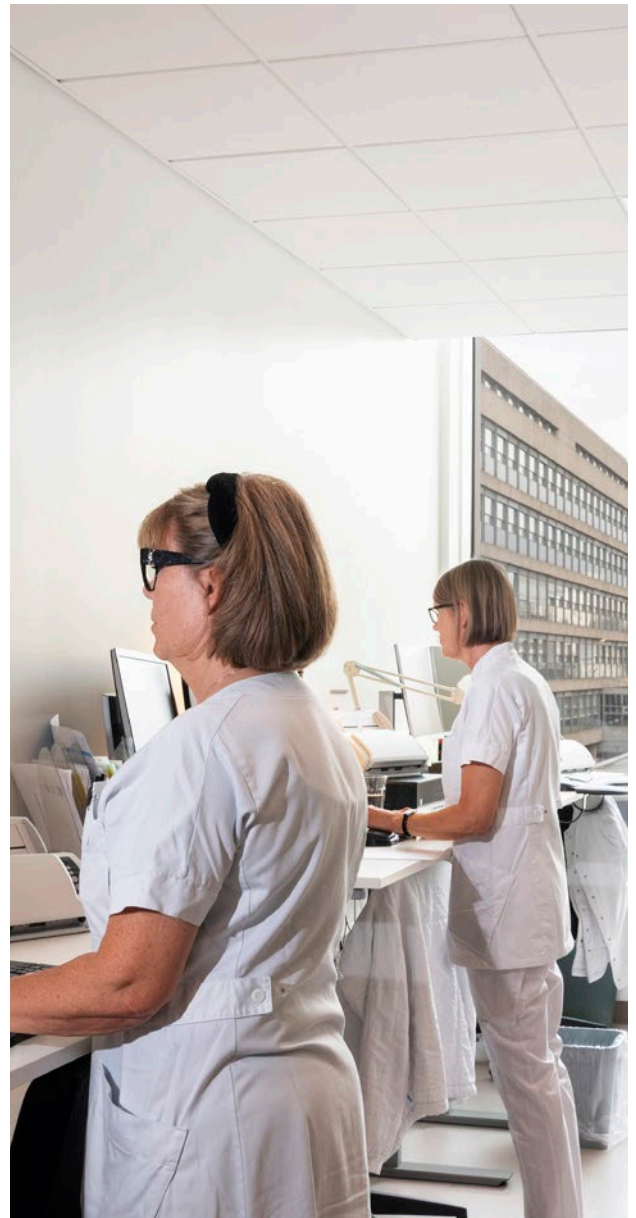
Critical to patient care and the effectiveness of the hospital's overall operations

### Allow for control and flexibility

Workstations that can adapt to different work functions are practical and help staff members to remain healthy and productive throughout the day. To tailor the staff workspace to better suit their needs, height-adjustable work desks and ergonomic chairs are both good options, particularly for those who spend a lot of time on their feet. It's also crucial to build stations that meet both fixed and mobile technology needs.

### Focus on acoustical comforts

Nurse stations must be acoustically sound. Not only do they need to facilitate collaboration and inspire group interaction but they must also enable successful individual activities. This highlights the importance of creating nurse stations that can easily transform into a serene location, providing nurses with the option to take a moment to relax, think, or have a private conversation when needed.





Project Warsaw Medical Care Centre "KOPERNIK", Poland  
**Product** Rockfon® Tropic

## CASE STUDY

Clatterbridge Cancer Centre  
 Liverpool, England

### Challenges

Clatterbridge Cancer Centre-Liverpool (CCC-L) is the latest addition to the region's cancer care infrastructure. It acts as a central hub for treatments across Cheshire and Merseyside. The centre features state-of-the-art equipment and a dedicated team of healthcare professionals.

The building's design was inspired by Liverpool's maritime heritage, with its sweeping curves reminiscent of a cruise ship. This has earned it the nickname "The Liner".

CCC-L is part of a 162 MGBP investment in cancer care across the region and is one of the largest healthcare projects ever undertaken in Liverpool.



### Solutions and Results

The open-plan chemotherapy department offers stunning views of the city. Each patient has a treatment bay kept separate from other patients with the use of a wall divider, with sockets and a Wi-Fi connection available. In such way, patients can choose to be isolated or interact with other patients, family, and friends in the main area.

"Rockfon MediCare Plus was used throughout the building. Rockfon Blanka dB was installed in areas where the walls did not extend to the soffit, necessitating more acoustic insulation. We were very happy with the outcome," said May Ling Smith of Building Design Partnership.



**Architect** BDP (Building Design Partnership Ltd)  
**Products** Rockfon MediCare® Plus, Rockfon® Blanka



Project Thames Hospice in Maidenhead, England

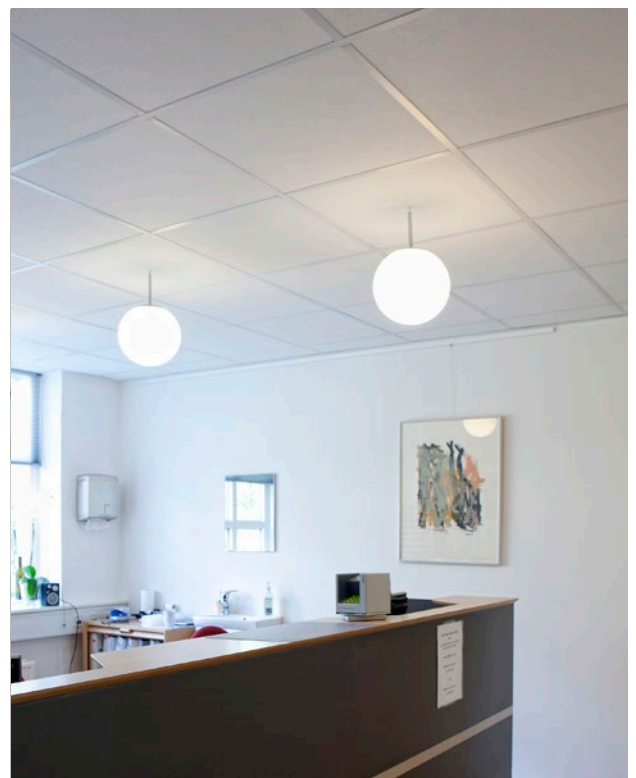
## Our Product Recommendation

### Rockfon Sonar®

It's attractive micro-textured white surface, with strong edges for superior durability creates a comprehensive range of aesthetically pleasing tiles. This product ideally suited for use in multitude of spaces such as offices, retail environments, classrooms and clean rooms – all in compliance with sound absorption requirements.

#### KEY TAKEAWAYS

- High degree of freedom for designers and architects
- Unique combination of fire class A1, best in-class sound absorption and dimensionally stable even at humidity levels of up to 100%
- Easy-to-clean surface





### Other products to consider:

#### Rockfon Sonar® Activity

Speech intelligibility is crucial where noise and activity levels are high. This acoustic tile has a thickness of 40 mm making it ideal for controlling the sound level at low frequencies.

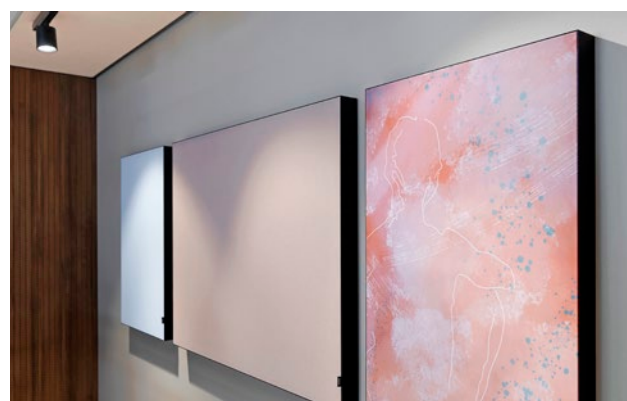
#### Rockfon Color-all®

Our coloured ceilings and wall solutions don't just reduce noise; they also help create unique spaces. The range is available in 34 exclusive colours, with so many possibilities to set the right atmosphere and enhance the nurse station.

#### \* Rockfon Canva®

Freely design your office signage, display powerful statements, or support way finding by using Canva's modular form and detachable canvases. With wall panels and floor screens within the range, they are a smart and easy way to create flexible, feel-good spaces.

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



### 3 design tips for nurse stations:

1. Use Class A acoustic ceiling and wall solutions to reduce noise and fuel concentration.
2. Install sound barriers to separate these areas from the rest of the hospital.
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.



# Patient and Examination Rooms

Keeping the patient's comfort, privacy, and confidentiality a priority

## Improve speech clarity for a better patient experience

To ensure clear and consistent communication, it is vital to be able to properly hear what is being said between the medical staff and the patient. Noise in patient and exam rooms can easily reverberate off hard surfaces. This heightens the need for high-performance sound absorption and sound insulation in order to maintain privacy and confidentiality.

## Incorporate biophilic elements to minimise stress and increase patient outcomes

Research shows that patient rooms with views of nature translate into shorter stays, less medicine dispensed, and overall improvement in the patient's condition. Even artworks featuring nature imagery and palettes lower stress and improve pain relief. Overall, natural touches can create a calming environment, helping patients feel relaxed and employees maintain a sense of order.



## Bring multi-purpose flexibility to your interiors

The efficient use of space is crucial. Hence, adding flexible furniture solutions that allow spaces to be easily reconfigured for multiple functions adds value. A flexible patient room, for example, might be converted into a facility that allows for more intensive care. An examination room may also be transformed into a designated and secure area for virtual consultations, supporting the rise of virtual care and telehealth.

Our ambition is to make it possible to build for people and for better care – not just for institutional requirements.

Parik Chopra, Managing Director, Rockfon





Project Deventer Hospital, the Netherlands  
Product Rockfon MediCare®

### CASE STUDY

Forth Valley Royal Hospital  
Larbert, Scotland

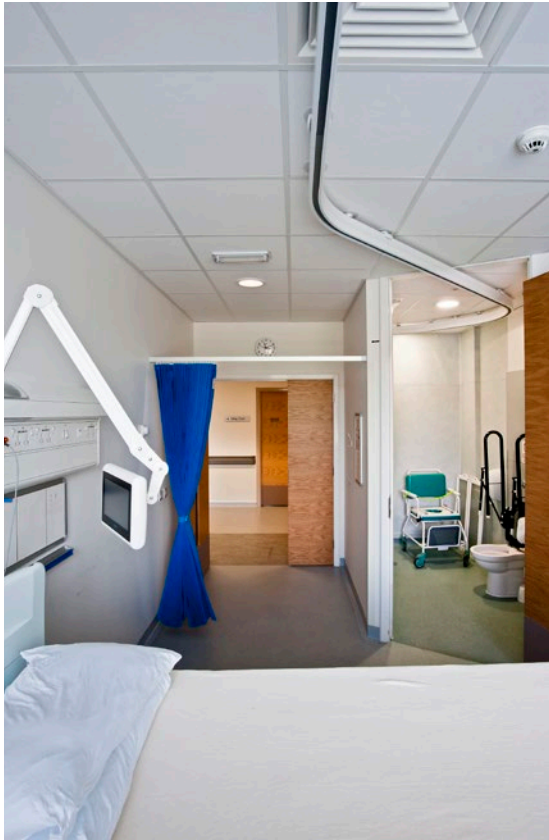
#### Challenges

The 300 MGBP hospital brings together acute services in a new, state-of-the-art healthcare facility.

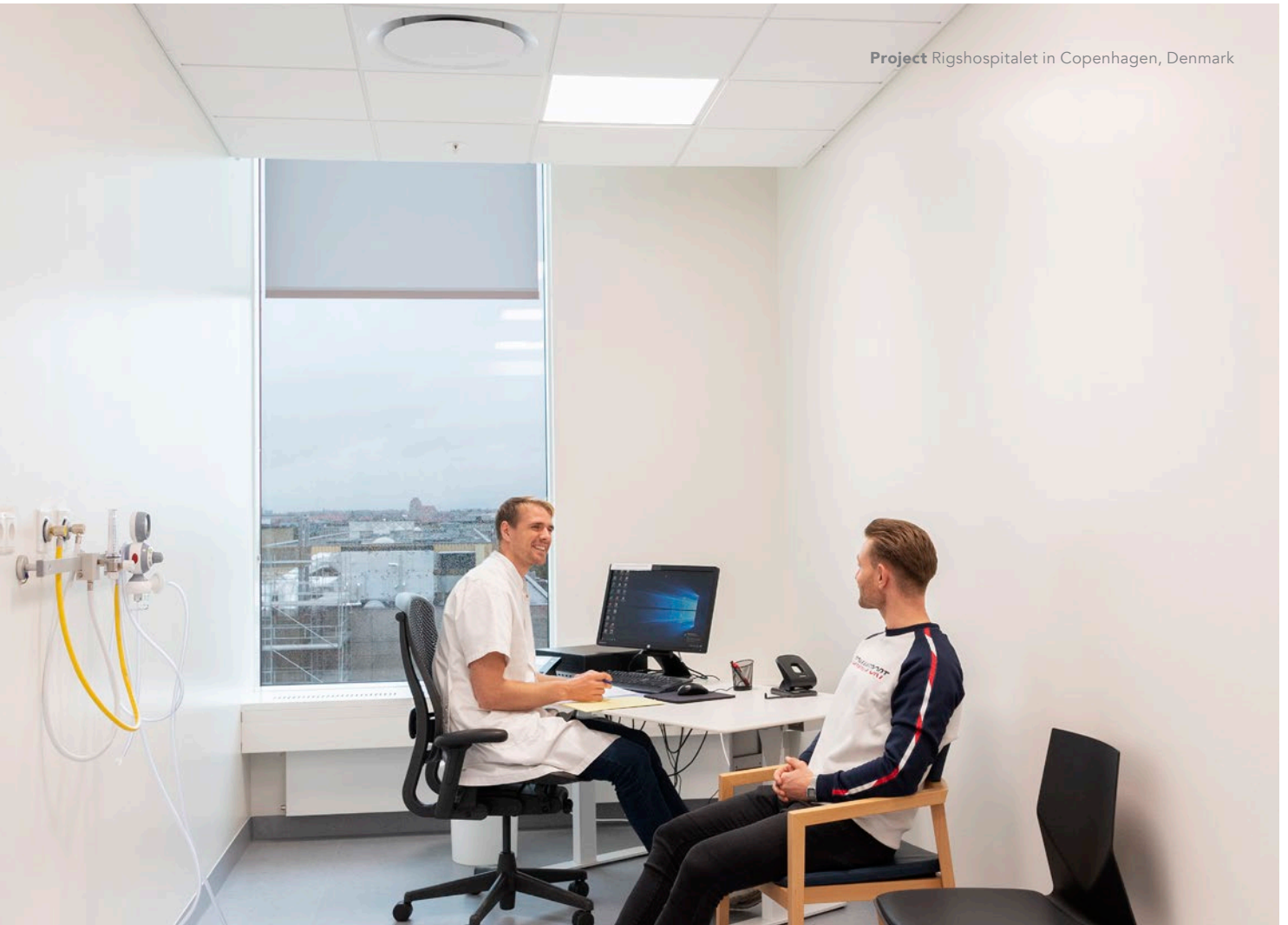
The hospital was constructed by Laing O'Rourke as part of a consortium led by Forth Health (a joint venture between John Laing and the John Laing Infrastructure Fund) and included Serco as the FM provider. The new hospital, which has 860 in-patient and day spaces, is currently the largest NHS healthcare project in Scotland.

#### Solutions and Results

Linear Projects Ltd installed a total of 82 000 m<sup>2</sup> of Rockfon MediCare ceilings in all general use areas, wards, offices, and meeting rooms. In the corridors and circulation areas, MediCare Plus was used in a 2400 x 600 mm plank format. The en-suites, showers, and other wet areas, as well as the kitchen spaces, were equipped with standard tiles with a 24 mm Enhanced Corrosion Resistant (ECR) grid.



Installer Linear Projects Ltd  
Products Rockfon MediCare® Standard,  
Rockfon MediCare® Plus,  
Chicago Metallic™ T24 Click D2890 ECR Class D



## Our Product Recommendation

### Rockfon MediCare® Plus

**Provides outstanding performance and aesthetic appeal to meet the rigorous demands for hospital ceiling applications**

Rockfon MediCare Plus is perfect for demanding healthcare applications that require cleaning with a damp cloth using standard detergents, specialised dry steam, and high-pressure cleaning. It is compliant with HTM 60 and has a Clean Room Classification of 3.

### KEY TAKEAWAYS

- Class A sound absorption and highest fire safety (Class A1)
- Can be cleaned with diluted solutions of ammonia, chlorine, quaternary, and hydrogen peroxide
- Does not contribute to the growth of MRSA
- Visible side: micro-textured, white-painted, water-repellent fleece
- Rear side: back fleece
- Sealed edges
- Full range of formats in concealed, semi-concealed, and visible grid options



### Other products to consider:

#### Rockfon MediCare® Standard

A great balance of acoustic comfort and cleanability that doesn't contribute to the growth of MRSA and ensures low particle emission.

#### Rockfon® CleanSpace Pro

The product is versatile and durable. It can withstand numerous cleaning and disinfection methods, suitable for healthcare settings. In addition to its excellent acoustic properties, it's easy to cut and install.



### 3 design tips for patient and examination rooms:

1. Use Class A acoustic ceiling and wall solutions to minimise noise reflecting off of hard surfaces.
2. Choose thick and dense sound-insulating materials to avoid sound transmission into an adjacent room.
3. Select design elements that stimulate comfort with the use of materials, textures, and colours.



# Critical and Specialist Areas

Communication and speech intelligibility are critical

## Make communication effective

It is crucial for individuals to be able to understand one another in critical and specialist areas, since their actions directly influence patient outcomes. To avoid reducing speech intelligibility, introducing acoustic solutions with best-in-class sound absorption helps bring calm to these stressful, busy, and loud environments of a hospital.

## A healthy, clean environment for faster recovery

Building materials play an important role in keeping germs and infections from spreading. This is especially important in critical and specialist areas. In fact, 5 to 10% of all patients contract hospital-acquired infections; hence, regular cleaning and material hygiene are good methods of preventing such cases.

One study showed that communication interference due to noise is the leading cause of poor operation outcomes.

**Source** Katz, Jonathan D. 2014.  
"Noise in the Operating Room."





**Project** Päijät Häme Central Hospital in Lahti, Finland  
**Product** Rockfon® CleanSpace Pure

### CASE STUDY

Southmead Hospital  
Bristol, England

#### Challenges

The Southmead Hospital in Bristol is one of the most environmentally friendly hospitals in England. The building meets strict environmental standards and has an appealing aesthetic. The designers sought to build a square-shaped ceiling. This necessitated a long-lasting ceiling able to reflect sunlight while consuming less light.

#### Solutions and Results

After exploring many options, Carillion, the contractor, decided that Rockfon MediCare ceiling tiles were the best option for their criteria. The acoustic tiles have a concealed edge and are very reflective, with up to 86% light reflection. They also comply with cleaning and hygiene standards preventing the spread of germs. Thanks to these features, the hospital earned an "Excellent" grade in BREEAM Certification.



**Contractor** Carillion  
**Product** Rockfon MediCare® Standard



Project Østfold Plastikkirurgi in Moss, Norway

## Our Product Recommendation

### Rockfon MediCare® Air

#### Ideal for hospital ceilings where differential pressure is required

Rockfon MediCare Air has an airtight backing membrane and sealed edges. This meets the requirements for high-risk areas where differential air pressure is needed to prevent infections from spreading. These areas include operating rooms, recovery areas, intensive care, and others.

#### KEY TAKEAWAYS

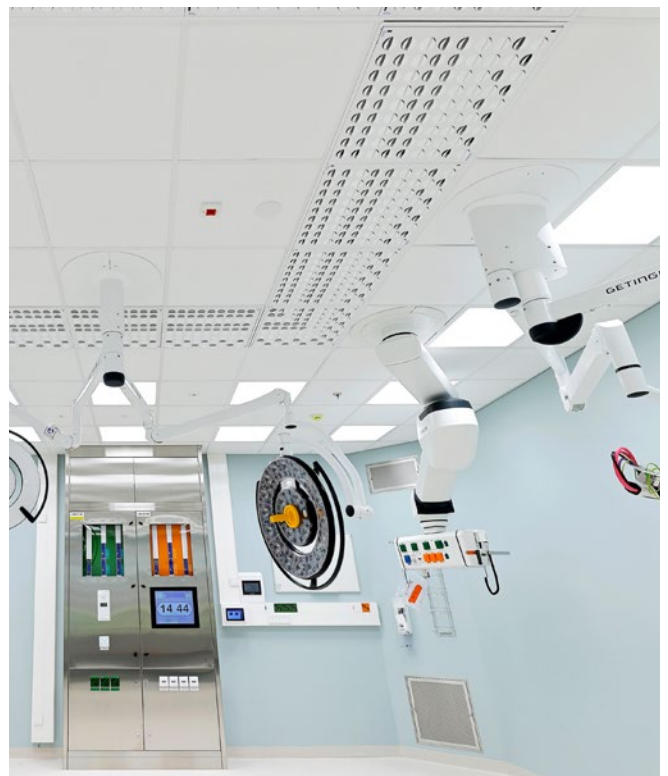
- A1 fire resistance standard
- Clean Room Classification: ISO Class 3
- Visible side: micro-textured, white-painted, water-repellent fleece
- Rear side: airtight high-performance membrane
- Sealed edges



Project Royal Papworth Hospital in Cambridge, England

### 3 design tips for critical and specialist areas:

1. Use Class A acoustic ceiling and wall solutions to maintain speech clarity.
2. Use sound barriers, high-performance doors, and full-height walls to block noise from surrounding areas.
3. Use materials that can withstand the highest levels of cleaning requirements.





**Project** Medical School, University of Lincoln, England  
**Product** Rockfon® Eclipse

# Educational Spaces

The different environmental and design elements of a space can impact learning

## Noise distracts from learning

The ability to communicate ideas, lessons, and presentations clearly is key in any educational setting, whether a lecture hall or a meeting room. But when sound turns into noise, the learning environment becomes difficult for both students and teachers. Noise also impairs memory retention, concentration, the ability to distinguish speech, and reading comprehension.

To ensure optimal knowledge absorption, it's important that the lecturer be heard loud and clear by all members of the audience, with as little background noise as possible.

## A safe and hygienic learning environment

Germs thrive in places where people interact in close proximity. This means that poor hygiene not only leads to more hospital-acquired infections but also puts patients at risk. As such, it's important that medical training places emphasis on maintaining a hygienic environment. This will eventually result in improved patient safety throughout the healthcare sector.

## 3 design tips for educational spaces in healthcare settings:

1. Use Class A acoustic ceiling and wall solutions to improve speech clarity by reducing echoes.
2. Install sound barriers, such as floor screens or hanging dividers, to separate the areas for different studying activities.
3. Use furniture and design elements that meet the most rigorous hygiene codes and safety regulations and that are resistant to mould and bacteria.

Only Rockfon managed to control sound and deliver the acoustics needed in different rooms.

**Source** Lee Dade, Building and Project Leader



## Our Product Recommendation

### \* **Rockfon® Mono Acoustic**

#### A unique design solution, perfect for ceilings and walls

This is our most innovative acoustic ceiling solution, adding a timeless touch to the interior. It can be shaped to suit your creativity — from domes to vaulted ceilings, from 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

#### Other products to consider:

##### **Rockfon MediCare® Plus**

This product is perfect for demanding healthcare applications that require cleaning with a damp cloth or that uses standard detergents and specialist dry steam and high-pressure cleaning. Rockfon MediCare Plus doesn't contribute to the growth of MRSA and is ISO Class 3 certified.

##### \* **Rockfon Canva®**

Create a secure environment and stimulate concentration by utilising Canva's modular form and detachable canvases to build sound barriers while complementing the fluidity of the space. They're a smart and simple method to make adaptable, feel-good places with wall panels, and floor screens available in various styles.

##### **Rockfon Sonar®**

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

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

Project Morrision Hospital in Swansea, Wales  
Product Rockfon MediCare® Plus



Visit our website to download the brochure dedicated to educational settings:  
[apac.rockfon.international/sectors/education](https://apac.rockfon.international/sectors/education)

*This learning resource discusses how to build a learning centre where both students and teachers can perform effectively.*



# Canteen & Café

Great hygiene. Now that sounds good!

## Unwind and unleash the burden of stress

The canteen (or cafeteria) should act as a sanctuary for people to enjoy their meals and the company of others. Having a range of accessible shared spaces makes collaboration smooth and pleasant for everyone, whether it's a brainstorming session, a team meeting, lunch, or simply somewhere to grab a quick coffee. Everyone should be comfortable speaking and listening so that they may actively participate in discussions.

## Acoustics and hygiene exist in harmony

Hygiene is critical in not just the kitchen but also in social spaces – where the acoustics are equally important too.

Canteens and kitchens are full of hard, reflective surfaces, which are great for cleaning and disinfecting, but bad for room acoustics. The clatter of knives, forks, plates, and glasses hitting the table combined with conversations can cause noise levels to quickly escalate to an uncomfortable level.

Healthcare workers need break areas that allow for completely private individual time as well as for opportunities to socialise with other staff.

**Source** Nejati et al. 2016. "Restorative Design Features for Hospital Staff Break Areas: A Multi-Method Study."





## CASE STUDY

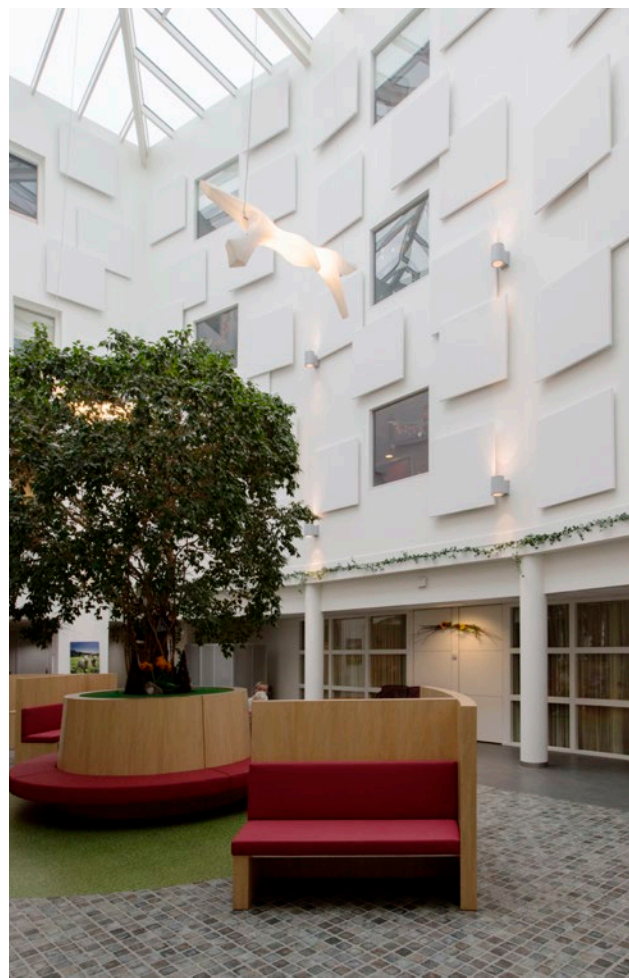
De Schuylenburgh  
Silvolde, the Netherlands

### Challenges

The atrium of the De Schuylenburgh nursing home is utilised for social events and casual downtime activities like coffee get-togethers. The management team was receiving frequent complaints about the noise level caused by the shape and volume of the atrium and the heavy use of hard, smooth materials.

### Solutions and Results

Creating a comfortable, safe, and nurturing environment was a top priority. The finishing company Fleurbaaij Totaal Afbouw proposed the solution of using Rockfon Eclipse across the walls and significantly improved the acoustics of the room.



**Installer** Fleurbaaij Totaal Afbouw  
**Product** Rockfon® Eclipse



### Our Product Recommendation

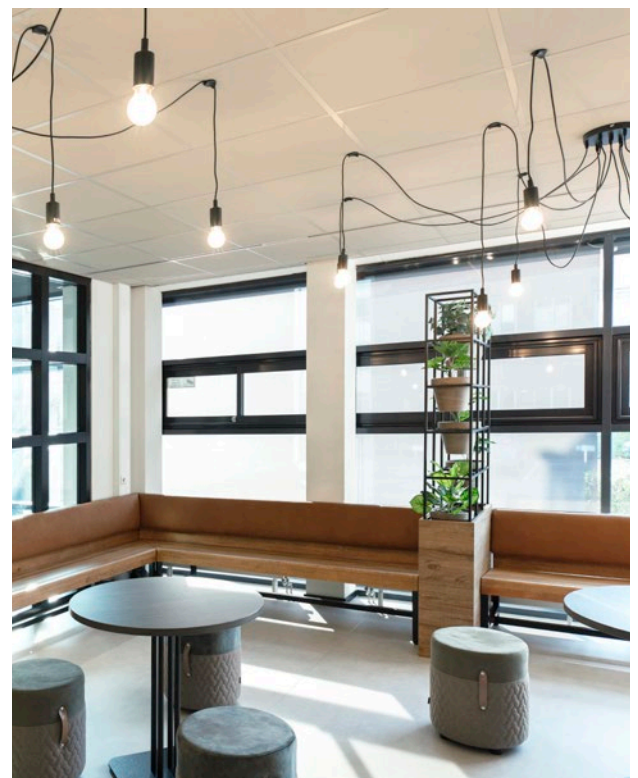
## Rockfon Color-all®

#### Improve the ambience of a stressful environment

Our coloured ceilings and wall solutions don't just reduce noise they also help create unique spaces. The range is available in 34 exclusive colours. This can help to inspire and enhance your interior design, giving you many possibilities to set the mood.

#### KEY TAKEAWAYS

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





Product Rockfon® Eclipse

### Other products to consider:

#### Rockfon Eclipse® Customised

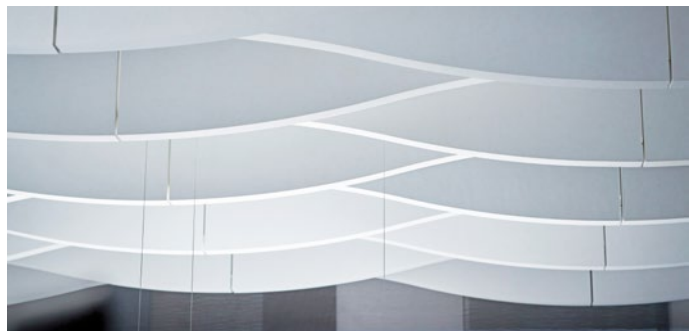
It is the ideal solution for bringing a new aesthetic dimension to any space while improving acoustics. The sky is the limit, as this versatile range of stone wool islands can be customised in any shape and colour.

#### Rockfon® Contour

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

#### Rockfon® CleanSpace Pure

A smooth, deep-matte, pure-white, and cleanable ceiling tile with good acoustic properties. The product is long-lasting and can withstand numerous cleaning and disinfection methods with ISO Class 3 certification. Rockfon CleanSpace Pure is suitable for use in food preparation areas and helps meet increasing hygiene standards.



### 3 design tips for canteens and cafés:

1. Use Class A acoustic ceiling solutions to minimise the noise that reflects from the ceiling.
2. Use Class A acoustic wall solutions to minimise the noise levels, allowing people to enjoy an audible conversation with one another.
3. Use acoustic solutions that are easy to clean and resistant to the growth of mould and bacteria. This helps reduce the risk of infection and allows rooms to adhere to the most rigorous hygiene codes.



# Toilets & Locker Rooms

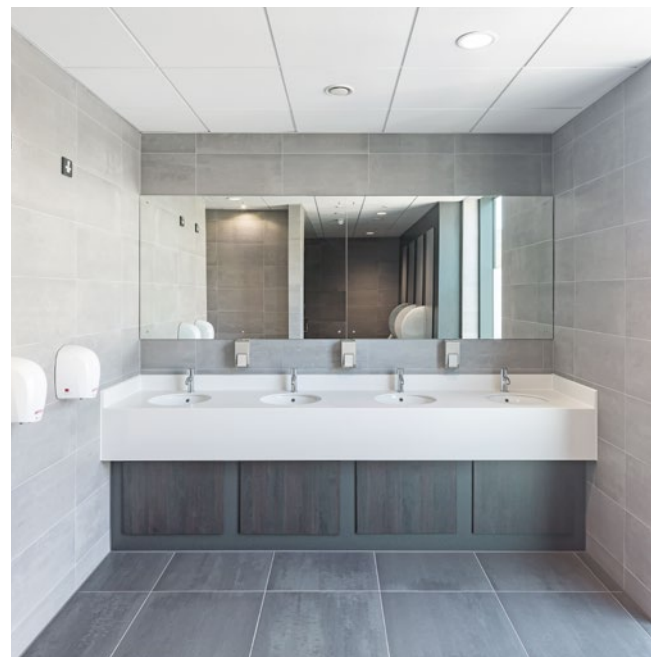
There's no need to choose between hygiene and acoustics

## 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 will dampen sound reflection while being able to withstand humid environments.

## Resist the humidity

Moisture often builds up in "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 for toilets and locker rooms:

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



## Our Product Recommendation

### Rockfon® CleanSpace Essential

**A cost-friendly, aesthetic ceiling tile that is easily cleaned**  
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.

#### KEY TAKEAWAYS

- Class A acoustic performance with A-edge in 20 mm thickness
- Easy to clean with a damp cloth or vacuum cleaner
- Clean Room Classification: ISO Class 4
- Provides no sustenance to microorganisms
- Up to 100% relative humidity with no visible deflection



#### 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.

Project Rockfon at Clatterbridge Cancer Centre, Liverpool  
Architect BDP  
Product Rockfon MediCare®







# Rockfon MediCare®
















The Rockfon MediCare family is perfect for hospital areas with multiple requirements. It comes in a wide selection of acoustic ceiling tiles that are perfect for hospital areas that require thorough and regular cleaning.

Rockfon MediCare® Standard It offers a perfect balance of acoustic comfort and cleanability — a dependable choice for regulating hospital acoustics. Rockfon MediCare® Plus for demanding healthcare spaces. The class-A sound-absorbing tile comes in a full range of dimensions and edges. It's the perfect all-round ceiling tile for general hospital areas that need to be cleaned. Rockfon MediCare® Air Specifically designed for use in pressurised healthcare environments where differential air pressure is required to prevent infection spreading. This ceiling is appropriate for operating theatres, recovery rooms, intensive care units and much more.

## HIGHLIGHTS

- A total range for hospital care
- Extreme high hygienic performance
- Broad range of options

# Product Overview

Performance	Rockfon® Blanka	Rockfon® Blanka Activity	Rockfon® Blanka dB 41	Rockfon® Blanka dB 46	Rockfon Sonar®	Rockfon Sonar® dB 41	
 Sound absorption	$\alpha_w$ : up to 1.00 (Class A) NRC : up to 1.00	$\alpha_w$ : up to 1.00 (Class A) NRC : 1.00	$\alpha_w$ : 0.90 (Class A) NRC: 0.90	$\alpha_w$ : 0.90 (Class A) NRC: 0.90	$\alpha_w$ : up to 1.00 (Class A) NRC: up to 1.00	$\alpha_w$ : 0.90 (Class A) NRC: 0.85	
 Direct sound insulation	-	-	$R_w = 21$ dB	$R_w = 25$ dB	-	$R_w = 21$ dB	
 Room to room sound insulation	-	-	$D_{n,f,w} = 41$ dB. $D_{n,f,w}$ with Rockfon Acoustimass = 52* dB. $D_{n,f,w}$ with Rockfon Soundstop 30 dB = 55* dB.	$D_{n,f,w} = 46$ dB. $D_{n,f,w}$ with Rockfon Acoustimass = 55* dB. $D_{n,f,w}$ with Rockfon Soundstop 30 dB = 58* dB.	$D_{n,f,w} = 27$ dB	$D_{n,f,w} = 41$ dB	
 Surface durability	Enhanced durability and dirt resistance. Wet-scrub resistance: Class 5				-	-	
 Impact resistance	Class 3A for Z and M edge	N/A	-	-	-	-	
 Light reflection	87% light reflection >99% light diffusion				85%		
 Cleaning	Vacuum, damp cloth				- Vacuum - Damp cloth - Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide		
 Hygiene	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.***		
 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 C/0N		
 Reaction to fire	A1		A2-s1,d0	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).				All products are recyclable		
 Clean room	-	-	-	-	ISO Class 5	-	
 Disinfection	N/A				-	-	
 Air pressure	-	-	-	-	-	Thermal conductivity: $\lambda_D = 40$ mW/mK Thermal resistance: $R = 0,85$ m²K/W	
 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 is conform to CP(0,5)5 according to the norm NF S 90-351:2013

	Rockfon Sonar® dB 46	Rockfon Sonar® Activity	Rockfon® Artic	* Rockfon Canva® Floor screen	* Rockfon Canva® Wall panel
	$\alpha_w$ : 0.90 (Class A) NRC: 0.90	$\alpha_w$ : up to 1.00 (Class A) NRC: up to 0.95	$\alpha_w$ : 0.90 (Class A) NRC: 0.85	$A_{eq}$ (m <sup>2</sup> /item)	$\alpha_w$ : 0.95 (Class A) NRC: 0.90
	Rw = 25 dB	-	-	-	N/A
	Dn,f,w = 46 dB	-	-	-	N/A
	-	-	-	Detachable, washable, and replaceable canvas	
	-	-	-	-	Tested for impact resistance in accordance with EN 13964-Annex D and fulfills the Impact Resistance requirements for class 2A
	85%		82%		-
	- Vacuum - Damp cloth - Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide			Frame: Vacuum, damp cloth, and low-pressure foam cleaning. Canvas: Vacuum, damp cloth, and washing in normal machine wash cycle up to 70 degrees	
	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.***			Stone wool provides no sustenance to microorganisms	
	Up to 100% RH. No visible deflection in high humidity C/ON			Up to 100% RH. No visible deflection in high humidity C/ON	
	A2-s1,d0	A1		B-s1,d0 Based on EN 13501-1	
	All products are recyclable			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).	
	-	ISO Class 5	-	-	N/A
	-	-	-	-	N/A
	Thermal conductivity: $\lambda_D = 40$ mW/mK Thermal resistance: R = 1,25 m <sup>2</sup> K/W	Thermal conductivity: $\lambda_D = 40$ mW/mK Thermal resistance: R = 1,00 m <sup>2</sup> K/W	-	-	-
				-	-

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

# Product Overview

Performance	Rockfon® CleanSpace Essential	Rockfon® CleanSpace Pro	Rockfon® CleanSpace Pure	Rockfon Color-all®
Sound absorption	$\alpha_w$ : up to 1.00 (Class A) NRC: up to 1.00	$\alpha_w$ : 1.00 (Class A) NRC: 0.95	$\alpha_w$ : up to 1.00 (Class A) NRC: up to 1.00	$\alpha_w$ : 0.95 (Class A) NRC: up to 0.95
Direct sound insulation	-	-	-	-
Room to room sound insulation	-	-	-	-
Surface durability	-	Enhanced durability and dirt resistance	Enhanced durability and dirt resistance. Wet-scrub resistance: Class 5	-
Impact resistance	-	-	-	-
Light reflection	85% light reflection		86% light reflection >99% light diffusion	Colour-dependent
Cleaning	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% - Isopropanol 70%	Vacuum, damp cloth, 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 (weekly disinfection): - Active chlorine 2,6% - Quaternary ammonium 0,25% - Hydrogen peroxide 5% - Ethanol 70% - Isopropanol 70%	Vacuum
Hygiene	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.***	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.***	Stone wool provides no sustenance to microorganisms
Humidity and sag resistance	Up to 100% RH. No visible deflection in high humidity C/DN			-
Reaction to fire	A1			A1 Rockfon Color-all Mercury & As edge: Class 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	ISO Class 4		ISO Class 3	-
Disinfection	-	Resistant to using hydrogen peroxide vapour disinfection with impact on aeration time	Resistant to using hydrogen peroxide vapour disinfection with impact on aeration time. Can withstand and will not be affected by UVC and Ozone disinfection.	-
Air pressure	-	-	-	-
Thermal insulation	-	-	-	40 mm: Thermal conductivity: $\lambda_D = 37 \text{ mW/mK}$ Thermal resistance: 40 mm: $R = 1,05 \text{ m}^2 \text{ K/W}$

\*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 is conform to CP(0,5)5 according to the norm NF S 90-351:2013

	Rockfon Color-all® wall panel	Rockfon® Contour	Rockfon® Eclipse	Rockfon® Eclipse Colour	Rockfon Eclipse® Customised	Rockfon Eclipse® wall panel
	$\alpha_w$ : up to 0.95 (Class A) NRC: up to 0.95	A <sub>eq</sub> (m <sup>2</sup> /item)				
	-	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				
	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				
	Up to 100% RH	Up to 100% RH. Not suitable for use in swimming pools or outdoors.	Up to 100% RH. No visible deflection in high humidity. Not suitable for use in swimming pools or outdoors.			Up to 90% RH. Not suitable for use in swimming pools or outdoors.
	A1 Rockfon Color-All Mercury: Class A2-s1,d0	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				
	-	-	-	-	-	-
	-	-	-	-	-	-

# Product Overview

Performance	Rockfon® Koral	Rockfon MediCare® Air	Rockfon MediCare® Plus	Rockfon MediCare® Standard
 Sound absorption	$\alpha_w$ : up to 0.95 (Class A) NRC: up to 0.90	$\alpha_w$ : 0.80 (Class B) NRC: 0.85	$\alpha_w$ up to 1.00 (Class A) NRC: up to 0.95	$\alpha_w$ : 0.95 (Class A) NRC: 0.90
 Direct sound insulation	N/A	-	-	-
 Room to room sound insulation	N/A	-	-	-
 Surface durability	-	Enhanced durability and dirt resistance	Enhanced durability and dirt resistance	N/A
 Impact resistance	N/A	-	-	-
 Light reflection	86% light reflection	85% light reflection	85% light reflection	86% light reflection
 Cleaning	Vacuum, damp cloth	Vacuum, damp cloth, dry steam cleaning (twice a year). Chemical resistance: resistant to diluted solutions of ammonium, chlorine, quaternary ammonium, and hydrogen peroxide	Vacuum, damp cloth, dry steam cleaning (twice a year). Chemical resistance: resistant to diluted solutions of ammonia, chlorine, quaternary ammonium and hydrogen peroxide	Vacuum, damp cloth
 Hygiene	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. Tested with: - Methicillin Resistant Staphylococcus Aureus (MRSA) - Candida Albicans - Aspergillus Brasiliensis		
 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 15 mm: C/0N
 Reaction to fire	A1	-	-	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 3	ISO Class 3	ISO Class 5
 Disinfection	N/A	-	-	-
 Air pressure	-	2023: Suitable in areas where differential pressure is required. When used in combination with closed neoprene foam tape and: -HDC 2 for the 25 mm tile; or -HDC 7 for the 40 mm tile, the air leakage rate of less than 0.5m³/h/ m²/Pa under a pressure range of 5 to 40 Pa is achieved. The amount of hold down clips (HDC) depends on the tile dimensions and the room size/shape.		-
 Thermal insulation	40 mm: Thermal conductivity: $\lambda_D = 37 \text{ mW/mK}$	-	-	-

\*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 is conform to CP(0,5)5 according to the norm NF S 90-351:2013

	Rockfon® Mono Acoustic	Rockfon® Soundstop	Rockfon VertiQ® wall panel
	$\alpha_w$ : 0.90 (Class A) NRC: 0.90	-	$\alpha_w$ : 1.00 (Class A) NRC: 1.00
	$R_w = 22$ dB	$R_w = 30$ dB	N/A
	-	-	-
	-	-	-
	-	-	Tested for impact resistance in accordance with DIN 18032 part 3
	87% light reflection (Elegant Render) >99% light diffusion (Elegant Render)	-	White (72%) Lightgrey (61%) Grey (33%) Black (5%)
	Vacuum	N/A	Vacuum
Stone wool provides no sustenance to microorganisms			
	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.	Up to 100% RH	-
	A2-s1,d0	C-s1,d0 and/or A1 depending on local assortment	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
	-	-	-
	-	-	-

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

# 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 our products can help you earn points in these schemes.

Do you know that stone wool can be recycled repeatedly without any degradation in quality?

Rockfon can both recycle our own old stone wool ceiling tiles and offcuts from installation, plus upcycle wet felted mineral fibre ceiling tiles from other manufacturers. We help make a meaningful contribution to a greener planet.

Visit our website 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









# Be part of making the world sound better to everyone

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

## **We're the zzz in restful hospitals**

Every day, we're inspired to create innovative solutions that help people think, relax, and enjoy life more. Our acoustic solutions do more than reduce noise, they also create calmer, healthier buildings for patients and staff.

## **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 hospital project.

**Project** Finstادتunet Nursing Home in Ski, Norway  
**Product** Rockfon® Tropic



**Project** Terveystalo Private Healthcare Services in Helsinki, Finland  
**Product** Rockfon® Blanka



### **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 building sustainable healthcare facilities.

### **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 free learning resources on: [apac.rockfon.international](http://apac.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.**

[apac.rockfon.international](http://apac.rockfon.international)  
[enquiry@rockfon.com](mailto:enquiry@rockfon.com)

# Sounds Beautiful

