

# Rockfon make healthy contribution to BREEAM 'excellent' Hospital

## Products in use

- Rockfon® MediCare® Standard
- Rockfon® MediCare® Plus
- Rockfon® Sonar® X edge

Southmead Hospital, Bristol



### Meeting HBN and HTM guidelines

Phase one of an impressive new Bristol hospital has now opened on-time and is fully operational. The £430 million Southmead Hospital not only offers the very best healthcare facilities but is one of the most environmentally-friendly buildings of its size in the UK. The design of the building is very bright with lots of big windows and has a large glass atrium as its centrepiece.

Adam Stevens, Senior Design Manager explains, "The North Bristol NHS Trust wanted to move away from the standard square grid ceiling design commonly found in hospitals. Rockfon gave us the acoustic performance we needed; are recyclable and sustainable, and met our economies of scale."

The hospital is fitted with Rockfon MediCare Standard and MediCare Plus throughout. MediCare fulfils the essential cleaning and hygienic demands of healthcare environments and complies with the Department of Health's HBN and HTM guidelines. MediCare ceilings do not contribute to the growth of MRSA. They have a low particle emission and have achieved Clean Room Classification ISO Class 4 for MediCare Plus and ISO Class 5 for MediCare Standard.

Rockfon Medicare Standard and Medicare Plus offer design freedom thanks to their exposed and concealed edges and availability in a variety of module sizes. This met with the Trust's requirements for larger plasterboard margins to rooms and reduced the amount of standard exposed grid ceilings.

Specialist ceiling contractor, Carlton Ceilings and Partitions, installed over 110,000m<sup>2</sup> of ceiling tiles. Contract Director Richard Janes was impressed, *“extremely high quality and easy to install. The Trust is very happy with the finished result.”*

Rockfon MediCare Standard is a 15mm thick stone wool tile which is ideal for areas such as wards, offices and consultation rooms. Its visible surface is covered with a white painted fleece which has a light reflection of 86% adding to the light, airy feel the architect wanted for the hospital. MediCare Standard offers best in class sound absorption (Class A) which provides the necessary noise control to help create a calm environment where patients can recover in comfort. In the consultation rooms and offices, the sound absorbent ceilings enable private conversations to take place without the distraction of unwanted sound from outside transferring through the walls.

MediCare Plus is made of a 20-25mm thick stone wool panel. It also offers Class A sound absorption. MediCare Plus has obtained a Bacteriological Class B1 and exceeds the strict hygiene and cleaning requirements for accident and emergency rooms, operating theatres, washrooms and food service areas. The visible surface of the tiles is resistant to bacteria and mould growth and can be effectively steam cleaned. The high light reflection helps to make efficient use of available natural light and provides a uniform spread of light which is critical in operating theatres and examination rooms.

#### **‘Excellent’ BREEAM rating**

Rockfon Sonar X ceiling tiles were installed in the hospital’s canteen. The discrete X-edge conceals the grid completely, providing an attractive finish, yet are still fully demountable if frequent access to essential services above the ceiling is required. Sonar ceiling tiles are durable with an attractive micro-textured, matt white surface. This tough surface is easy to clean and does not absorb moisture, making it ideal for washrooms, eating and changing areas.

Southmead Hospital has earned an ‘excellent’ BREEAM rating and Rockfon played its part by helping to meet targets for waste reduction. Rockfon ceiling tiles are durable and lightweight helping to make the installation process quicker, easier and resulting in fewer damaged tiles and less waste.

#### **Innovative upcycling**

Another way in which Rockfon helped contribute to the high environmental standard is in its innovative approach to waste. All site waste including Rockwool’s insulation slabs, pipe lagging and as well as Rockfon ceiling tiles, were sent to the Rockwool factory in Wales for upcycling into new Rockwool insulation products. Although Rockwool commonly accepts recycled waste from contractors, this was the largest and first project where multiple operating companies on one site have collaborated to create a single waste stream.

Find out more by visiting [www.rockfon.co.uk](http://www.rockfon.co.uk) or email [info@rockfon.co.uk](mailto:info@rockfon.co.uk)



Distributor, SIG Interiors, located in Bristol, supplied both the ROCKWOOL insulation and Rockfon ceiling products for the project and contributed to the recycling programme by transporting bags of waste to the Rockwool factory.

Richard Vidler (UK Construction Development Manager) developed the processes for the take back scheme with Rockfon, alongside the Logistics department from the Bristol location, offering a simple solution to Carillion by issuing bags to be collected from site whilst delivering new material. This Back Haul operation reduced the costs for transport, managed the storage of material at the Bristol depot, and delivered the waste to Rockwool Pencoed for reprocessing. Richard comments, *“As part of our commitment to Carillion via the SIG Supply Chain Partnership for this project, and support from our key supplier Rockfon, this innovative way to reduce waste on site, and recycle products through different sub contract packages was an example of adding real value to this scheme, and as a result, reduced waste to land fill.”*

Rockfon provide advanced stone wool acoustic ceiling and wall solutions to create beautiful, comfortable spaces. Easy to install and durable, they protect people from noise and the spread of fire while making a constructive contribution toward a sustainable future.