

Rockfon acoustic control understood in Inverness

Inverness College flagship campus



Acoustic control satisfies BB93

There has been a lot of excitement around the opening of Inverness College's flagship campus. The £50 million facility has become a striking feature of the Inverness skyline and its interior is just as breath-taking, designed to maximise the use of space and light. Rockfon acoustic ceiling solutions are installed throughout to help the College achieve its mission to provide high quality learning for the people and support the economic future of the Highlands and Islands.

When it came to designing the building, good communication was a fundamental requirement. Architects BDP explained, "Good acoustics and clear speech recognition in particular is instrumental in delivering this."

All teaching spaces were modelled to ensure reverberation times complied with Building Bulletin BB93." Acoustic modelling identified acoustic absorption required to ensure speech can be understood. BDP, "Rockfon delivered the required acoustic performance in the all areas of the building, ensuring noise is controlled. The ceilings are robust to withstand the building's demanding wear and tear and provide a suitable quality of finish for a further education building."

Products in use

- Rockfon® Sonar® A
- Rockfon® Sonar® dB 44
- Rockfon® Artic™
- Rockfon® Hygienic A

Rockfon Sonar delivers acoustic control

Visitors to the college are welcomed in the atrium which forms an impressive entrance. Glass panels allow natural light in next to wood slatted ceilings. To combat the reverberant effect of these hard materials, Class A sound absorbent Rockfon Sonar A is fitted behind the slats to provide the correct levels of acoustic absorption and attenuation, helping to reduce noise levels throughout this open area.

Colin Burns, Commercial Director at DV McColl, a Rockfon Active Installer, worked with Rockfon to ensure things went to plan and were completed on time. *"I've fitted Rockfon products before and I'm always impressed with how easy they are to install. The quality is always good and the end result always exceeds expectations."*

The video conferencing rooms are another part of the college where acoustic performance is important. Rockfon Sonar dB 44 is installed here to provide outstanding sound insulation and Class A sound absorption. Rockfon Sonar dB 44 is made of two sound absorbing layers of stone wool. The first layer absorbs sound from the classroom itself, which helps reduce reverberation and improve speech intelligibility. To prevent

the sound being transmitted to the adjoining room, the second layer absorbs sound in the ceiling void and through the walls.

Helping minimise energy consumption

Rockfon Artic ceilings are installed throughout the classrooms and circulation areas. Rockfon Artic was chosen because it is a cost-effective, smooth, white ceiling tile providing 85% light reflection to optimise the available natural light, also helping to minimise energy consumption. Rockfon Artic offers Class A1 fire safety which is essential for circulation areas. The range is ideal for areas requiring minimum Class C sound absorption.

Rockfon Hygienic A ceilings are fitted in the busy campus kitchen and canteens. Rockfon Hygienic has been developed to meet stringent hygiene demands. The ceiling tiles are robust, can withstand humidity levels of up to 100% and offer high sound absorption, making them suitable for all clean room environments. All Hygienic ceilings have a durable white surface incorporating a fungicide to further enhance the resistance to the growth of micro-organisms.

The distributor for the project was Nevill Long Glasgow.



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.

Find out more by visiting www.rockfon.co.uk or email info@rockfon.co.uk