

GOOD ACOUSTICS

IMPROVE STUDENTS' ACCURACY BY MORE THAN 35%



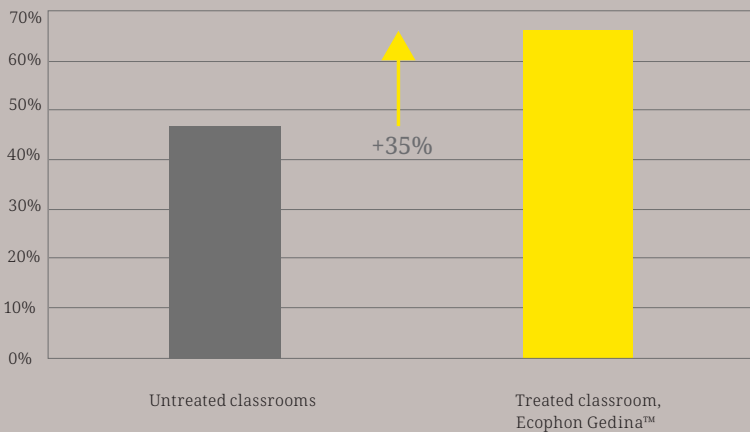
ENHANCING

TEACHING AND LEARNING

In a UK study, researchers found that most noise issues in school classrooms were not caused by the assumed issues of noise from planes, trains and cars, but by the pupils themselves during learning activities. By introducing sound-absorbing ceilings in the classrooms they:

- Improved student accuracy by 35%
- Reduced the perceived sound level by 50%

“Staff working in the treated classrooms say there’s an enormous difference. Not only do they not have to shout to be heard, but there’s a generally calmer, quieter and more relaxed atmosphere in the classroom. We’re all delighted.” Head teacher, Miss Catherine Douglas, of Balgreen Primary School



HOW IS THIS POSSIBLE?

The measured effect of installing a sound-absorbing ceiling was a 3 dB reduction in the sound level in an unoccupied classroom. However, the real change is what this does to the behaviour of the people in the classroom. Since everybody can be heard and understood without raising their voices, pupils and teachers immediately started speaking more quietly. In fact – 7 dB more quietly.

ECOPHON SOLUTION

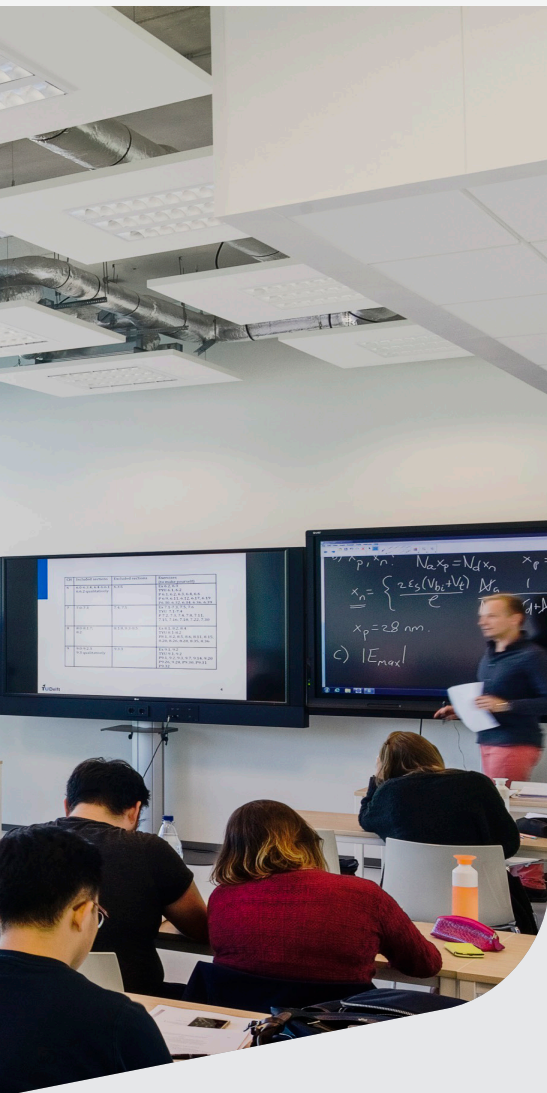
Ecophon participated in the study and supplied Ecophon Gedina™ class A sound-absorbing ceilings for the improved classrooms.

THE STUDY

Initiated by the UK government and performed by researchers from Heriot-Watt University. Conducted in 70 classrooms in 15 schools over a period of three years. The children were between 5 and 11 years old.

Reference: D. J. MacKenzie, S Airey, "Classroom Acoustics" Summary Report, Heriot-Watt University, Edinburgh, Scotland, 1999.





Ecophon is the leading supplier of indoor acoustic solutions that improve working performance and quality of life. We believe in the difference sound can make to our everyday lives, and are passionate advocates for the importance of room acoustics to people's wellbeing – whatever the space, activity or need.

Having a sound effect on people is the principle that guides all we do. We're proud of the Swedish heritage and human approach that promise is founded on. Our uncompromising commitment to transparent sustainable practice. And, as members of the Saint-Gobain Group, to be doing our part in making the world a better home.