

# Saint-Gobain Ecophon



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## CPD Overview

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## Available CPD Material (29)

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### Acoustics for SEN Teaching

This seminar looks at the relevant acoustic standards for Special Education Needs (SEN) teaching. It provides a summary of the changes to Department for Education document BB93: Acoustic Design for Schools, focusing on SEN room acoustics. By the end of the seminar you should have a greater understanding of:

- How we hear
- The impact of noisy or reverberant environments, low frequency sound and its negative effects on learning
- What are the relevant acoustic standards for schools and how BB93 applies to different spaces within a school
- Design solutions to meet the new standard

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

**Design, construction and technology**  
**Inclusive environments**

Knowledge level:

General Awareness

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### Psychoacoustics in the Workplace

This presentation looks in depth at the subject of psychoacoustics and how human beings process auditory information, both psychologically and physiologically, in the context of an office setting. With an emphasis on health, well-being and performance, the subject matter also addresses the importance of acoustic biophilia in design and human responses to nature and the sounds of nature. It will help you to understand the following topics:

- How human beings perceive sound psychologically and physiologically in an office setting
- Why we perceive differently and why this is important to consider when designing office spaces
- The implications of recent research explaining perceptions of office acoustics
- How to identify different psychological and physiological auditory factors in the workplace
- The importance of biophilia, both in general and from the acoustic perspective, and ways to include elements in design
- The importance of good acoustics and how to apply practical solutions for psychoacoustics in office design

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

**Design, construction and technology**  
**Inclusive environments**

Knowledge level:

General Awareness

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### Impact of Acoustics on Hospital Care and Recovery

Hospitals are noisy spaces, this seminar looks at the effect of sound on people in hospital and design solutions to solve acoustic challenges. It will help you to understand the following topics:

- Understand the sources of noise in hospital, how noise travels, how noise levels are experienced and the benefits of changing the sound environment
- Understand the effect of noise on patients and their recovery, with emphasis on vulnerable patient groups
- Understand the effect of noise on staff and their ability to carry out tasks in a noisy environment
- Understand what activity based acoustic design is and how it can be applied to hospitals
- Understand the UK acoustic standard for hospitals, Health Technical Memorandum HTM 08:01 and classes of sound absorption to standard EN ISO 11654

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness



Multiple formats

### Room Acoustics- Connecting to Design

This CPD gives an introduction to room acoustic design focusing on the relationship between good room acoustics and the comfort of people who use the space. The seminar discusses typical acoustic challenges found in room design and offers solutions based on avoiding or combating them utilizing ceiling and wall panel products and features that add an interesting design element to a space. By the end of the CPD you should have a greater understanding of:

- How good room acoustic design focuses on three strands, the people, the activity and the space noise affects our perception of a space
- How and why noise affects people's perception of a room
- How the design of a room affects the sound environment, and be able to change design to affect this
- How materials can be used to improve the room acoustics
- Acoustic solutions that can also be a design feature

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Health, safety and wellbeing**  
**Inclusive environments**

Knowledge level: General Awareness



Multiple formats

### Designing for Dementia and Ageing

This CPD explores the effects of ageing and dementia on memory, sight and hearing and connects this to design, relating the information to research and standards.

Providing background information and examples of design details that may cause challenges to accessibility for older people and those living with dementia and information on and examples of ideas for achieving positive inclusive outcomes,

By the end of the CPD you should have a greater understanding of:

- Dementia and ageing; and the affects of these on our bodies and minds
- Design for inclusion
- Challenges in the design of a space that may affect an older person or someone with dementia and learn how to avoid them
- How to confidently promote positive aspects of design for dementia and ageing that help access and create engagement, and inclusion
- Current research findings and statistics on dementia

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Health, safety and wellbeing**  
**Inclusive environments**

Knowledge level: General Awareness

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Multiple formats

### Office Acoustic Design with an Introduction to Psychoacoustics

This CPD explores the human centered approach to solving office acoustic issues and includes an introduction to Psychoacoustics. Psychoacoustics is the science that encompasses psychological and physiological responses to sound stimulus and gives us important knowledge about how and why human beings are affected by the peculiar aspects of the office environment. This includes performance and productivity as well as issues around health, well-being and inclusion. This presentation is evidenced-based and geared toward those who wish to gain knowledge and practical insights about how office interior environments affect human beings acoustically.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### A Sound Effect on People - Acoustics Podcast

"A sound effect on people" a podcast that explores how we are affected by sound. We explore how while poor acoustics can be harmful, a room with good acoustics can help you learn, work productively, even heal. Listeners will learn how our responses to sound aren't just psychological but physiological too; different sounds spark different responses within our brains and bodies. This podcast series will explore how we can make our lives better, simply by improving the acoustic of the rooms we are in.

Material type: Podcast

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Acoustics For Further and Higher Education

Hospitals are noisy spaces, this seminar looks at the effect of sound on people in hospital and design solutions to solve acoustic challenges. It will help you to understand the following topics:

- The sources of noise in hospital, how noise travels, how noise levels are experienced and the benefits of changing the sound environment
- The effect of noise on patients and their recovery, with emphasis on vulnerable patient groups
- The effect of noise on staff and their ability to carry out tasks in a noisy environment
- What activity based acoustic design is and how it can be applied to hospitals
- The UK acoustic standard for hospitals, Health Technical Memorandum HTM 08:01 and classes of sound absorption to standard EN ISO 11654

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Acoustics in Education

This seminar will look at the impact of noise on educational environments, including three key studies on classroom acoustics: It will cover the following points:

- How we hear and who is affected by poor acoustics
- Heriot-Watt University Research
- Building Bulletin BB93 and the Equality Act 2010
- Bremen University Research Study
- Classroom acoustic standards, recommendations and solutions

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Inclusive environments**  
**Legal, regulatory and statutory compliance**

Knowledge level: General Awareness

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Multiple formats

### Acoustic Design for International Projects

This presentation looks at basic acoustics before going into more detail about international standards and how they compare and relate to each other. It will help you to understand the following topics:

- The need for good acoustic design
- International and national acoustic standards
- Key acoustic measurements
- International trends for good acoustic design in office, health and education environments

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Acoustics for Successful Education Environments

This online video presentation looks at the role of acoustics in education environments. It will help you to understand the following topics:

- Understand the implications of noise in educational environments
- Understand how hearing works and why it is important to consider low frequency sounds
- Understand the requirements of education standard, Building Bulletin 93 and additional requirements for SEN teaching environments
- Understand how improved acoustic conditions affect pupils and teachers
- Understand classroom acoustic recommendations and solutions

Material type: Online Learning

RIBA Core Curriculum: **Design, construction and technology**  
**Legal, regulatory and statutory compliance**

Knowledge level: General Awareness

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Multiple formats

### Acoustics in Retail and Leisure

This CPD looks at the sound levels within retail and leisure establishments and how they affect consumer behaviour.

- A general overview of sound levels in restaurants and coffee shops
- Look at the contributing factors to the noise levels in retail environments
- Reference to studies which show effect on consumer behaviour and perceptions in noisy retail and leisure environments
- General look at providing a quality experience for consumers/customers
- Case study on The Clink restaurant

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Ceiling Design and Room Acoustics

The relationship between good room acoustics and the comfort of people who use the space. The seminar discusses how different acoustic ceiling and wall panel systems can be used to address acoustic issues and design challenges. This seminar covers:

- An introduction to the importance of room acoustics
- Discussion to the key acoustic considerations of reverberation, speech clarity, spatial decay and auditory strength
- Explanation of relevant ISO standards (Class A materials)
- Key design considerations when preparing acoustic ceiling designs, including edge specification, colour and use with thermal mass buildings and impact resistance
- Considerations for sustainability and environmental classifications

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Designing for Dementia and Elderly Care

This seminar explores the effects of ageing and dementia on memory, sight and hearing and what this means for design. It looks at examples of good and poor design and how to change or amend existing interiors to make them easier to use for the elderly and those with dementia. By the end of the CPD, you should have a greater understanding of:

- The number of people with dementia and the ageing population
- The effects of dementia on your body and mind
- The effects of ageing on your eyes and ears
- How these effects can impact your interaction with your interior environment
- How to design interiors that are easier to use for use by those with dementia, sight loss and hearing loss

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Architecture for social purpose**  
**Design, construction and technology**  
**Health, safety and wellbeing**  
**Inclusive environments**

Knowledge level: General Awareness

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Multiple formats

### Acoustics in Clean Industry - High Care Environments

This seminar provides:

- A general overview of sound levels and how our ears work
- A look at the noise levels in different clean industry environments
- Reference to studies which show noise reduction achievable
- A look at the effects of reduced noise level on health & safety, well-being and productivity
- Technical information on products which is required for these environments

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Integrated Solutions for learning Habitats

This CPD material will help delegates to design built educational environments that:

- Are comfortable for people to inhabit, whether they be pupils, adult learners, teachers or others
- Are energy efficient by having a high thermal performance giving low running costs for the building
- Protect occupants from internal and external noise - to aid thinking, communicating and therefore learning
- Are safe and secure to occupy, complying with all relevant areas of building regulations
- Have maximum natural light ingress to aid vision, concentration and therefore learning
- Have minimal impact on the environment by using resource efficient materials and processes

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Sustainable architecture**

Knowledge level: General Awareness

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### Acoustics in Healthcare

This CPD looks at the importance of acoustics in healthcare environments, incorporating:

- A general overview of the sound environment in hospitals
- Increasing sound levels over the last 40 years
- Referencing studies into the effect of a poor acoustic environment on patient outcomes
- The effect of noise on hospital staff and their well-being
- Why sleep is crucial to healing
- HTM 08:01 2013 sound absorption

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Acoustics in High Care Environments

This seminar will provide:

- A greater awareness of the impact of noise on employees and companies
- An understanding of basic acoustic principles
- An understanding of cleaning methods
- An understanding of the use of air pressures
- An understanding of standards for interior finishes
- An understanding of what products are suitable for use

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Acoustics in Food and Beverage Manufacturing

This seminar will provide:

- A greater awareness of the impact of noise on employees and companies
- An understanding of basic acoustic principles
- An understanding of cleaning methods
- An understanding of standards for interior finishes
- An understanding of what products are suitable for use

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Acoustics in Modern Teaching & Learning Environments

This seminar will help raise awareness of the benefits of a good acoustic educational environment with reference to independent research detailing tangible benefits for the teacher and pupil. It describes the importance of the educational process and the key contribution of acoustics, outlines learning styles and looks at how the research can support better educational outcomes.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Inclusive environments**

Knowledge level: General Awareness

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### Ceiling Design Solutions

This seminar aims to show architects design issues with ceilings, making them think more about design and informing them of relevant regulations and standards.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Introduction to Acoustics in Education

This seminar aims to increase awareness regarding the issues of acoustics in education, the effects, legislation, current research and guidelines for design.

Material type: Seminar

RIBA Core Curriculum: **Legal, regulatory and statutory compliance**

Knowledge level: General Awareness

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### Room Acoustic Comfort

This seminar will provide the specifier with knowledge of:

- Room acoustics
- The implications of room type and activity
- The different acoustic requirements for different types of space

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Sound and the Modern Office

The presentation gives architects an overview of a macro environment that has an impact on the way offices are designed. The presentation also emphasizes the importance of acoustic and the affects and consequences that may be encountered if the issue is ignored. The presentation covers an insight into not just the modern office but also identifying the relationship between the office and the role acoustic plays.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Impact of Different Acoustic Standards in School Buildings on Teaching and Learning

How do differing acoustic standards within a classroom affect learning?

- What acoustic considerations should be considered when designing a classroom for hearing impaired pupils (inclusion)?
- How do differing acoustic standards affect teachers and speech intelligibility?

Material type:

Seminar

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### Acoustics for Further Education

We know that for hearing impaired children the acoustic environment can be the most important factor in terms of participation within mainstream classes. The Essex Study, financed and investigated impartially, also reveals the impact of differing acoustic environments on hearing pupils and teachers. Current standards and the varying options for refurbishing a classroom are discussed and analysed, with some surprising but beneficial outcomes for all.

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

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### Inclusive Acoustics

Material type:

Seminar

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Multiple formats

### Acoustic Design for the Modern Office

Office design trends and philosophies 1904-today

- Well-being and our senses
- Understanding Psychoacoustics –
- The psychology of people and the effects of sound
- Acoustics and Inclusion
- Health, well-being and productivity
- Creating the optimal acoustic environments
- People, activity and spatial considerations
- BS ISO Standards for measuring open plan office acoustics
- A new look ahead – trends in ceiling designs

This CPD can be booked as an online meeting. Please send booking enquiries to [marketing@ecophon.co.uk](mailto:marketing@ecophon.co.uk)

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Noise is a health issue: Acoustic design for ageing and dementia

This CPD examines acoustic design for ageing and dementia. Topics covered include activity based design, an overview of dementia, ageing and hearing loss, dementia and hearing loss, the fundamentals of room acoustics, research into the impacts of having hearing loss and dementia, standards and guidelines, and solutions. By the end of the presentation you should have a greater understanding of:

- How dementia design includes acoustic design
- Hearing loss and how it affects us
- How to model rooms that avoid common acoustic design faults
- Room acoustic standards for spaces used by people with dementia and how to achieve them
- The benefits of sound absorption to a room and to its users

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

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## Classifications

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### Subject/Product Areas (CI/SfB)

#### Structure

Suspended ceilings > Suspended ceiling systems

Suspended ceilings > Tiles, panels for suspended ceilings

#### Finishes

Wall finishes: internal > Composite wall lining systems

Ceiling finishes > Ceiling boards, panels, tiles

#### Services

Lighting > Lighting fittings, luminaires

#### Engineering

Electrical systems > Luminaires and lamps

### RIBA Core Curriculum areas

#### Design, construction and technology

Knowledge level: *General Awareness*

#### Inclusive environments

Knowledge level: *General Awareness*

#### Health, safety and wellbeing

Knowledge level: *General Awareness*

#### Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

#### Architecture for social purpose

Knowledge level: *General Awareness*

#### Sustainable architecture

Knowledge level: *General Awareness*