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## CPD Overview

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Sto Ltd leads the way in product innovation in Building Façade Systems, Render, Brick Slips and Paint Finishes, as well as Acoustic Ceiling and Wall Systems. Sto materials and systems insulate, protect and decorate virtually every surface found in buildings and structures and are the go-to provider for architects and specifiers worldwide. We are an innovative, award-winning and market leading manufacturer and distributor of:

- External Wall Insulation systems
- Rainscreen Cladding Systems in Glass, Render, Brick and Stone
- Mineralic and synthetic renders
- Further unique and bespoke facade finishes, including brick slips and 3D facade profiles
- Seamless acoustic systems
- Facade and interior paints

Sto Ltd has facilities in the UK and Ireland and is a wholly owned subsidiary of Sto SE & Co KGaA, a global building products brand, with 50 subsidiaries in 38 countries, and employing over 5,700 people, with sales of over €1 billion.

#### External Wall Insulation Systems

The StoTherm range of external wall insulation systems significantly reduces this energy loss by wrapping the building in a thermally resistant envelope, maximising internal space and maintaining comfortable internal temperatures all year round. And you don't need to compromise on aesthetics: Each system can be finished in a wide range of renders and architectural elements.

#### StoTherm Classic

The original, cement free external wall insulation system, with outstanding durability, crack resistance and weather protection. Available with adhesive or mechanical fixing options.

#### StoTherm Mineral

Non-combustible mineral fibre external wall insulation system for unrivalled fire protection. Available in adhesive or mechanical fix.

#### StoTherm Vario

A cost-effective EPS insulation system with cement-based reinforcement for extra fire protection and a selection of Sto render finishes.

#### Sto Render Systems

The StoRend range of render systems allow you the flexibility to realise even the most demanding designs: whether flat or curved, concave or convex, white or vibrantly coloured.

By specifying Sto thin-coat synthetic renders, you avoid the problems associated with traditional cementitious renders, such as cracking and colour fading. Sto renders feature greater durability, exceptional flexibility and are through-coloured to reduce maintenance requirements.

StoRend synthetic render systems assist in overcoming many substrate issues to provide an attractive, through-coloured and long lasting render finish. System options available for a wide range of substrates, including standard masonry, substrates with poor absorbency and existing render backgrounds.

Ideal for new build and refurbishment projects - Sto synthetic renders are available in a wide selection of textures and grain sizes, and in a range of over 1,000 colours.

#### Rainscreen Glass Systems

StoVentec Glass can be used both as an external rainscreen cladding system, and as an internal decorative option.

The StoVentec Glass system is bespoke designed to meet the requirements of each project, from the colour and design of the glass panels through to the sub-construction that will hold it in place.

StoVentec Glass has been BBA tested and approved for all standard applications. StoVentec Glass has also received rigorous testing under extreme conditions, and has proven itself to be the safest, most robust system available on the market today.

#### Fire Testing

The StoVentec Glass system has undergone stringent emissions testing to ensure the system components do not release harmful fumes under intense heat. The positive test results surpassed both UK and European safety requirements.

#### Impact Testing

StoVentec Glass is suitable for specification within high traffic areas. The system has passed all industry standard soft-body impact tests, plus hard-body impact tests in accordance with BS EN 356. StoVentec Glass currently holds the highest impact test rating of all glass rainscreen cladding systems in the UK and Europe.

#### Features and Benefits





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## Available CPD Material (12)

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### Achieving Acoustical Excellence with Suspended Ceilings

Acoustical ceiling boards and panel systems aims to advise architects and others that there are alternatives to providing balanced acoustics without having to resort to modular ceilings. Whether the terminology is "seamless" "jointless" or "monolithic" these terms all relate to current thinking when looking at internal linings on building design, without compromising acoustics.

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness

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### Innovative façade solutions using External Wall Insulation

This CPD explains the differences between the different insulation systems you can choose from for the walls of a building, with the focus on external wall insulation systems. Topics covered include: • Why insulate externally and the benefits of using EWIS • How EWIS can meet and exceed Part L of the Building Regulations • Specification criteria and design considerations to ensure the cladding system meets local conditions • Insulation fixings and reinforcing coats • Finish options available, including materials, colour and texture.

By the end of this seminar, you will be able to:

- Understand the difference between an external wall insulation system and cavity wall insulation,
- Consider specification criteria to in relation to wind load, reaction to fire and climate
- Know certification and testing of external wall insulation systems
- Have an overview of insulation choice, fire barriers and the importance of detailing
- Have an overview of the variety of finish options available for an external wall insulation system

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness

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### Reflecting Upon Design: Glass Rainscreen Cladding

This CPD explains the history of where the rainscreen technology originates from, including an overview of what a rainscreen cladding system is. The focus of this CPD relates to Glass Rainscreen systems covering the following topics:

- The composite glass panel and rainscreen system build-up, including formats and weights for the glass panel
- Designing with glass - colour, print options, finishes and textures
- Control of grids and panels to aid the visual interpretation of the building grid
- Moisture protection benefits of rainscreen cladding
- Thermal performance benefits of rainscreen cladding
- Glass Rainscreen safety relating to fire, wind loads, impact and blast performance.

Material type:

Seminar

RIBA Core Curriculum:

**Design, construction and technology**

Knowledge level:

Detailed Knowledge

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Multiple formats

### NLU\_Innovative Facade Solutions using External Wall Insulation

This CPD seminar explains how external wall systems offer a different method of thermally cladding a building whilst enabling complete flexibility of building design. Topics covered include the definition of an external wall insulation (EWI) system, the benefits of insulating externally, important criteria to consider when specifying and aspects to be considered during the design of the scheme. By the end of the CPD you should have a greater understanding of:

- How to identify an EWI system by its component parts
- The benefits of an EWI system in comparison to alternative insulation technologies available
- How to match the appropriate solution to the building specification requirement
- Detailing an EWI solution

This CPD can be delivered to you live and remotely.

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

**Design, construction and technology**  
**Legal, regulatory and statutory compliance**

Knowledge level:

General Awareness

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### Sustainability by Design: Facade Systems

Sustainability by Design: Facade systems, is a CPD Presentation encompassing various sustainability themes. This educational session delves into sustainable business practices, such as establishing robust CO2 reduction targets, while also highlighting the sustainable advantages of facade systems like External Wall Insulation and Rainscreen Cladding. It explores ways to balance aesthetic design needs with sustainability goals.

A central part of many companies business models is the role their products play in climate protection and quality preservation.

This presentation is developed and will be delivered by Sto Ltd, the UK subsidiary of the Sto Group, a leading global manufacturer of products and systems for both exterior and interior walls and ceilings.

By the end of this CPD delegates ought to be able to:

1. Know how to to implement sustainable business practices relating to management and design.
2. Set comprehensive sustainability targets, clear objectives and adopt a holistic approach.
3. Understand how the impacts the building sector has on climate change and how to help reduce emissions through energy savings.
4. Better understand what embodied carbon is, how to measure it and how to create buildings and infrastructure that allows for a sustainable future.
5. Know the benefits of a circular economy and how to maximise resource efficiency.

5.

Material type:

Seminar

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Multiple formats

### Acoustic Ceiling Board and Panel Systems

Acoustic linings can be used to control sound in atria, conference rooms, swimming pools and rooms where control of air borne sound is crucial. This seminar will discuss these applications in more detail.

Material type:

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

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Multiple formats

### Attractive and Durable Interior Coatings

This seminar looks at the various interior coatings offering differing solutions to differing applications, whilst being free from solvents, emissions and plasticines.

Material type:

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness

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Multiple formats

### External Renders Using Advanced Technology

This STO seminar will offer the specifier an understanding of the different external renders on the market, and the advantages each gives to the architect, client and the buildings. You will also understand substrates and their functions so you are able to design the external finish in a way that will help maintain the building for as many years as possible.

Material type:

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

Knowledge level: General Awareness



Multiple formats

### Innovation in Paints

This presentation should alert the specifier about the correct paint choice and the fast moving technology in paint that is now available.

Material type:

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

Knowledge level: General Awareness



### Reflecting Upon Design: Glass Rainscreen Cladding

This seminar explores the following topics:

- Brief history of rainscreen cladding within architecture
- Moisture protection benefits of rainscreen cladding
- Thermal Performance benefits of rainscreen cladding
- Design freedom benefits of rainscreen cladding
- Detailing considerations
- UK Testing Requirements
- Building Regulations and Design Considerations
- UK Project Examples

This CPD can be delivered to you live and remotely. This content was assessed in 2014 and may need to be updated.

Material type: Online Learning

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

Knowledge level: General Awareness



Multiple formats

### Global Presence, Global Knowledge

Material type:



Multiple formats

### Importance of Local Knowledge to Global Designers

This CPD emphasises the need for knowledgeable input from experts in the field at the location where the project is being constructed. It will help you to understand the following topics:

- Explicit and tacit knowledge
- How this relates to the design and construction process
- How a network of global knowledge can help solve problems and prevent problems happening in the first place
- How to find the most suitable solution for a particular location
- How to reduce risk, save time and save money

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness

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## Classifications

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

#### Structure

Suspended ceilings > Tiles, panels for suspended ceilings  
Suspended ceilings > Suspended ceiling systems

#### Finishes

Ceiling finishes > Ceiling boards, panels, tiles  
Wall finishes: external > External wall coatings  
Wall finishes: external > Wall cladding panels  
Wall finishes: external > External insulation of external walls  
Finishes > Wall and floor, ceiling, roof coatings  
Wall finishes: internal > Paper and vinyl wallcoverings  
Wall finishes: internal > Textile wallcoverings  
Wall finishes: internal > Composite wall lining systems  
Ceiling finishes > Ceiling coatings

#### General products

Plaster, render > Plasters and renderings  
Rigid sheets, boards > Mineral fibre, glass fibre slabs [solid surface]

### RIBA Core Curriculum areas

#### Design, construction and technology

Knowledge level: *General Awareness*

#### Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*