



The Academy Prospectus



Working in partnership



**LEEDS
BECKETT
UNIVERSITY**

Contents

About SFS	3
Industry leaders	3
Supporting the next generation	4
Overview of training programmes	5
RIBA-approved CPDs	
Airtightness and thermal efficiency CPD	6
Fixing of warm and flat roofs CPD	7
Designing the correct roof safety system CPD	8
Rainscreen cladding systems CPD	9
Technical seminars	
Metal Roofing and Cladding in the UK Market	10
Fasteners: General Introduction	11
Fastener Durability	12
Flat Roof Systems: General Introduction	13
Flat Roof Systems: isofast®	14
Flat Roof Systems: isotak®	15
Flat Roof Systems: isoweld®	16
Rainscreen: General Introduction	17
Composite Panels: General Introduction	18
Standing Seam: General Introduction	19
Twinskin: General Introduction	20
Fall Protection Systems: Introduction	21
Practical training	
isoweld® demonstration	22
isotak® demonstration	22
Fall Protection training	22
Facilities	23
Amenities	25
Contact us	25



About SFS

SFS is the world's largest manufacturer and distributor of carbon and stainless steel fastening systems, and fasteners have been manufactured on their site in Leeds for over 100 years.

For the UK construction market, SFS supply a wide range of fasteners for roofing and cladding systems. SFS UK construction also provide fall protection systems, rail and bracket support systems for rainscreen applications and door and window hinges.

Industry leaders

SFS has a strong heritage in increasing knowledge and understanding by educating the wider construction industry. By bringing together industry professionals to learn and share knowledge, and by listening carefully to the industry we continue to break new ground and push boundaries in developing new technologies and products. SFS has long-term partnerships with affiliations and industry governing bodies where our technical experts inform and help to drive the industry forward to ensure the highest quality and standards are met.

One of the greatest challenges faced by the industry is recruiting and training the next generation of architects, engineers and installers. SFS has invested heavily into developing an Academy space in Leeds to create a hub for knowledge exchange and learning within the industry. Alongside this, we are proud to support the community, through close links with Leeds Beckett University, with a comprehensive training programme and bespoke seminars at all levels of experience.

It is our mission to drive our long-standing philosophy of **learning, growing** and **evolving**, and our custom-built academy, showroom and hands on training facility enables us to deliver this objective.



Supporting the next generation

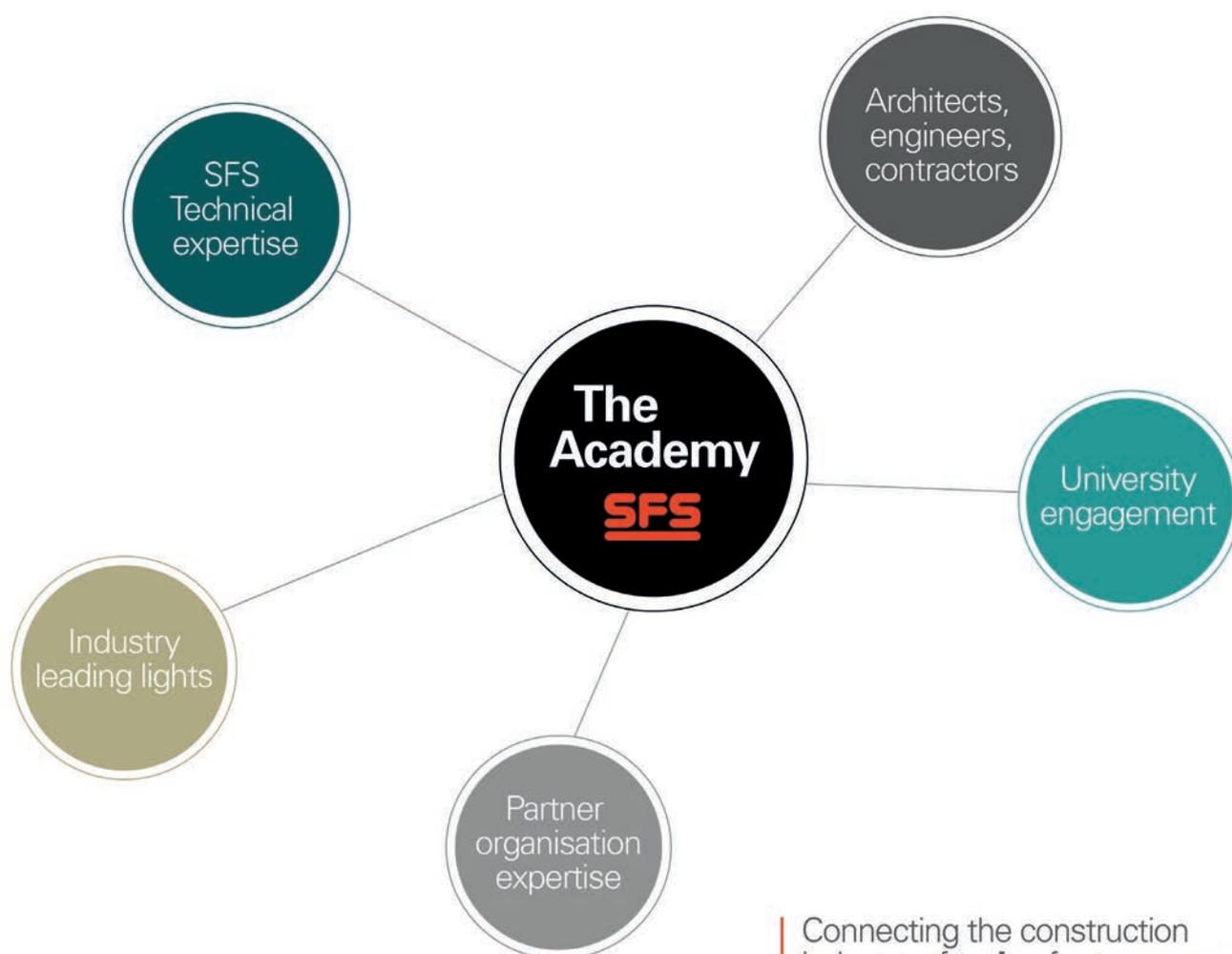
We work with universities to provide practical training and in-depth technical knowledge to the next generation of architects, engineers and installers. Acting as a hub, we facilitate knowledge exchange between active industry practitioners, those in training and education, and national bodies and affiliations. This learning spans techniques, tools, products and wider industry concerns such as sustainability, performance and safety.

As specialists in all parts of the building envelope, we are well-placed to drive best practice within the construction sector, and we firmly believe in supporting the next generation to reach the highest standards of practice, and excellence in their fields. Vitaly, this involves looking at common mistakes and identifying key learnings so that the industry can constantly strive to improve.

We are proud to be affiliated with Leeds Beckett in better preparing students for a successful career in Construction. It is by working with key institutions such as universities and industry players we can co-design curricula which truly benefits the ever-changing needs of the marketplace.



LEEDS
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Connecting the construction industry of **today** for **tomorrow**.

Overview of training programmes

RIBA-approved CPDs

Name	Duration	Price
Airtightness and thermal efficiency	40 mins	£75
Fixing of flat and warm roofs	40 mins	£75
Designing the correct roof safety system	40 mins	£75
Rainscreen cladding systems	40 mins	£75

Technical seminars

Name	Duration	Price
Metal Roofing and Cladding in the UK Market	2hr 30	£115
Fasteners: General Introduction	2hr 30	£115
Fastener Durability	2hr	£105
Flat Roof Systems: General Introduction	2hr	£105
Flat Roof Systems: isofast®	1hr 30	£75
Flat Roof Systems: isotak®	1hr 30	£75
Flat Roof Systems: isoweld®	1hr 30	£75
Rainscreen: General Introduction	2hr	£105
Composite Panels: General Introduction	2hr	£105
Standing Seam: General Introduction	1hr 30	£75
Twinskin: General Introduction	2hr	£105
Fall Protection Systems: Introduction	1hr 30	£75

Practical training

Name	Duration	Price
isoweld® demonstration	2 hours	£125
isotak® demonstration	2 hours	£125
Fall protection training	1/2 day	£195

Bespoke training

We are able to provide bespoke training tailored to your requirements. All timings are a guide, and sessions can be made longer or shorter to suit your need. Technical seminars and trainings can be combined to create packages of a 1/2 day, 1 day, or 2 days. Please get in touch on 0113 2085 500 or insight@sfs.biz



RIBA-approved CPD

Airtightness and thermal efficiency



Double points

This seminar is about how to achieve a cost effective roofing and cladding system. It will help you to understand the following topics:

Key learning points:

- Gain an understanding of air-tightness issues
- How to test for airtightness
- Legislation and the commercial implications of the SBEM certificate
- Gain a detailed understanding of system specification and its impact on the energy performance of the project
- Corrosion issues
- Cost effective system specifications

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 40 minutes



RIBA-approved CPD

Fixing of flat and warm roofs



Double points

This seminar is about the correct specification and design of fastening systems to suit flat and warm roofs and will help you understand the following topics:

Key learning points:

- The options and choices you have when selecting the most suitable fastening system for flat, warm roofs
- Pros and cons
- Design and site considerations
- The difference between adhered systems and mechanical fixed solutions
- Wind uplift / Corrosion / Thermal Bridging
- The innovative membrane field fastening system
- Warranties for SPM roofs

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 40 minutes



RIBA-approved CPD

Designing the correct roof safety system



Double points

This seminar is about the correct specification and design of roof safety systems. It will help you to understand the following topics:

Key learning points:

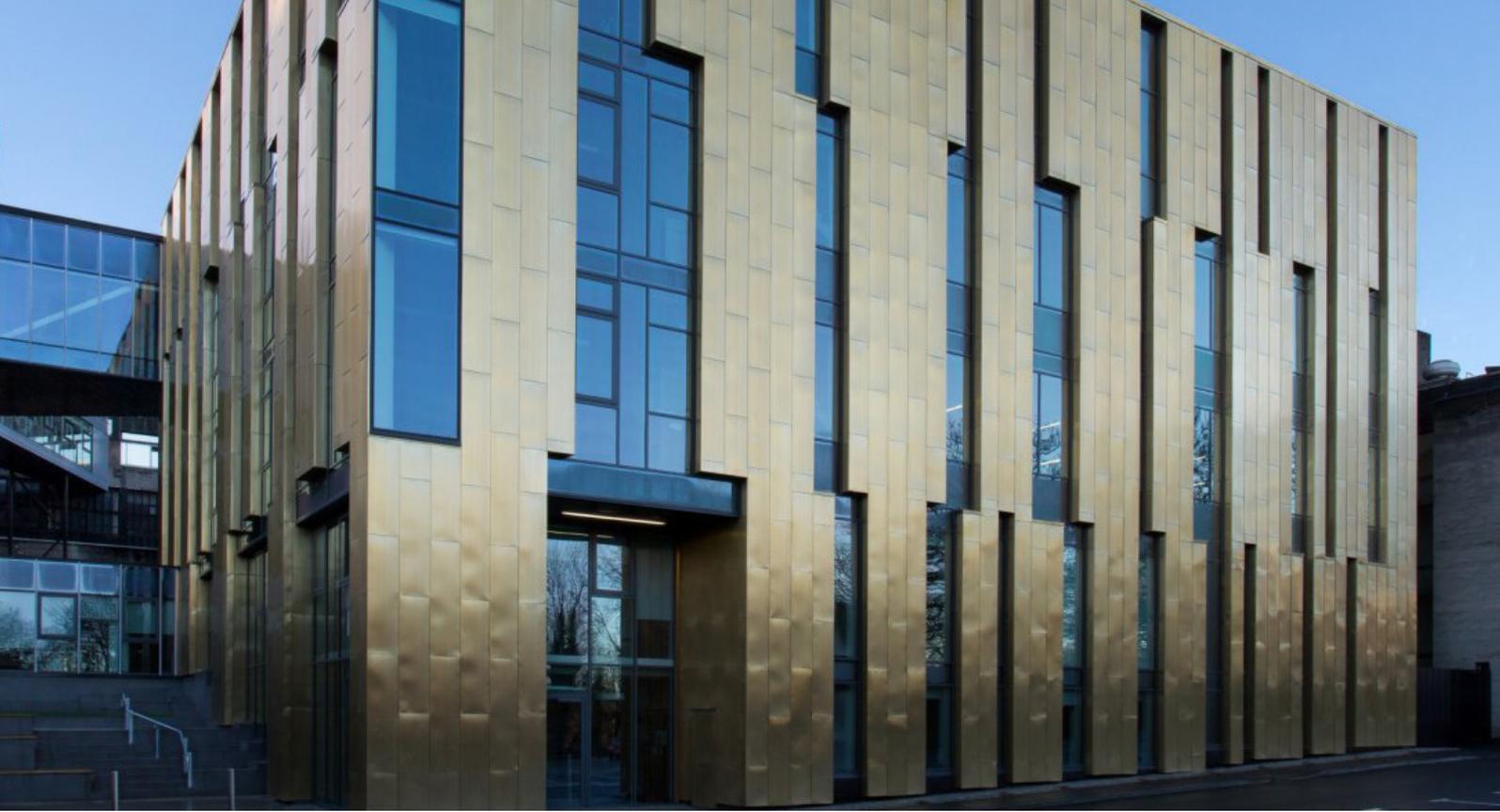
- The need for roof safety and who has the design responsibility
- Line and post safety systems
- Issues around arrest or restraint systems
- Which aspects of the building to consider including Building Regulations, air-tightness and thermal efficiency
- Available design and service support and system warranties

RIBA Core Curriculum: Design, construction and technology
Health, safety and wellbeing
Legal, regulatory and statutory compliance

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 40 minutes



RIBA-approved CPD

Rainscreen cladding systems



Double points

This seminar is about the principles and advantages of rainscreen cladding. It will help you to understand the following topics:

Key learning points:

- Design and specification considerations for rainscreen cladding
- The different cladding types available
- Aesthetics and capabilities
- Project specific calculations including the correct support system for relevant façade material
- Relevant industry standards
- Environmental factors and environmental ratings

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 40 minutes



Technical Seminar

Metal Roofing & Cladding in the UK Market

Design considerations and required performance of metal cladding systems used in the construction of roofs and walls of buildings in order to comply with regulations.

Key learning points:

- Building process
- Steel portal frames
- Metal roof & cladding systems
- Building physics and performance
- Thermal insulation U-values
- Gutters
- Windloadings and structural performance
- Weathertightness
- Fire

Technical area: Design, construction and technology

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 2 hours 30 minutes



Technical Seminar

Fasteners: General Introduction

A general introduction to the design and manufacture of threaded fasteners used in the construction of the roofs and walls of metal clad buildings.

Key learning points:

- History of “screw” production
- SFS screw-type fastener production
- Features of SFS screw-type fasteners
- SFS UK market applications
- Alternatives to “screws”
- Technical data

Technical area:	Screw fasteners
Knowledge level:	Beginner
Who is it for?	Architects / Specifiers / Installers / Buyers / Students
Duration:	2 hours 30 minutes



Technical Seminar

Fastener Durability

Focusing on the importance of corrosion resistance with threaded fasteners used in the construction of the roofs and walls for metal clad buildings.

Key learning points:

- Types of corrosion
- Influences on corrosion
- Causes of corrosion
- Problems with fastener corrosion
- SFS solutions to combat corrosion
- Materials and durability
- Site specific considerations

Technical area: Design, construction and technology

Knowledge level: Intermediate

Who is it for? Architects and specifiers of all levels

Duration: 2 hours



Technical Seminar

Flat Roof Systems: General Introduction

A general introduction to the design of fasteners for the securement of single ply roofing waterproofing membranes used in the construction of flat roofing systems.

Key learning points:

- Membrane build-ups
- Deck types
- Membrane attachment methods
- Wind load calculations
- Importance of quality
- Onsite testing
- Site considerations

Technical area:

Screw fasteners

Knowledge level:

General awareness

Who is it for?

Architects / Specifiers / Installers / Buyers

Duration:

2 hours



Technical Seminar

Flat Roof Systems: isofast

How to secure single ply waterproofing membranes on flat roofs utilising SFS isofast all-metal fastening systems.

Key learning points:

- What is isofast?
- Benefits of isofast
- isofast vs other fixing methods
- Hands-on demo

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects and specifiers of all levels
Duration:	1 hour 30 minutes



Technical Seminar

Flat Roof Systems: isotak

The securement of single ply waterproofing membranes on flat roofs utilising SFS isotak thermally-broken fastening systems.

Key learning points:

- What is isotak?
- Where to use isotak
- Benefits of isotak
- isotak vs other fixing methods
- Hands-on demo

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects / Specifiers / Installers / Buyers
Duration:	1 hour 30 minutes



Technical Seminar

Flat Roof Systems: isoweld

Using SFS isoweld for the securement of single ply waterproofing membranes.

Key learning points:

- What is isoweld?
- How to use isoweld
- Design considerations
- Installation considerations
- Benefits of isoweld
- Hands-on demo

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects and specifiers of all levels
Duration:	1 hour 30 minutes



Technical Seminar

Rainscreen: General Introduction

An introduction to the design of fasteners used for the securement of the multiple component layers forming insulated rainscreen and façade walling systems.

Key learning points:

- System Build-up
- Project builder
- External cladding/panels
- Regulations/Fire/Testing/Workmanship
- Structural performance
- SFS fastener solutions

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects / Specifiers / Installers / Buyers
Duration:	2 hours



Technical Seminar

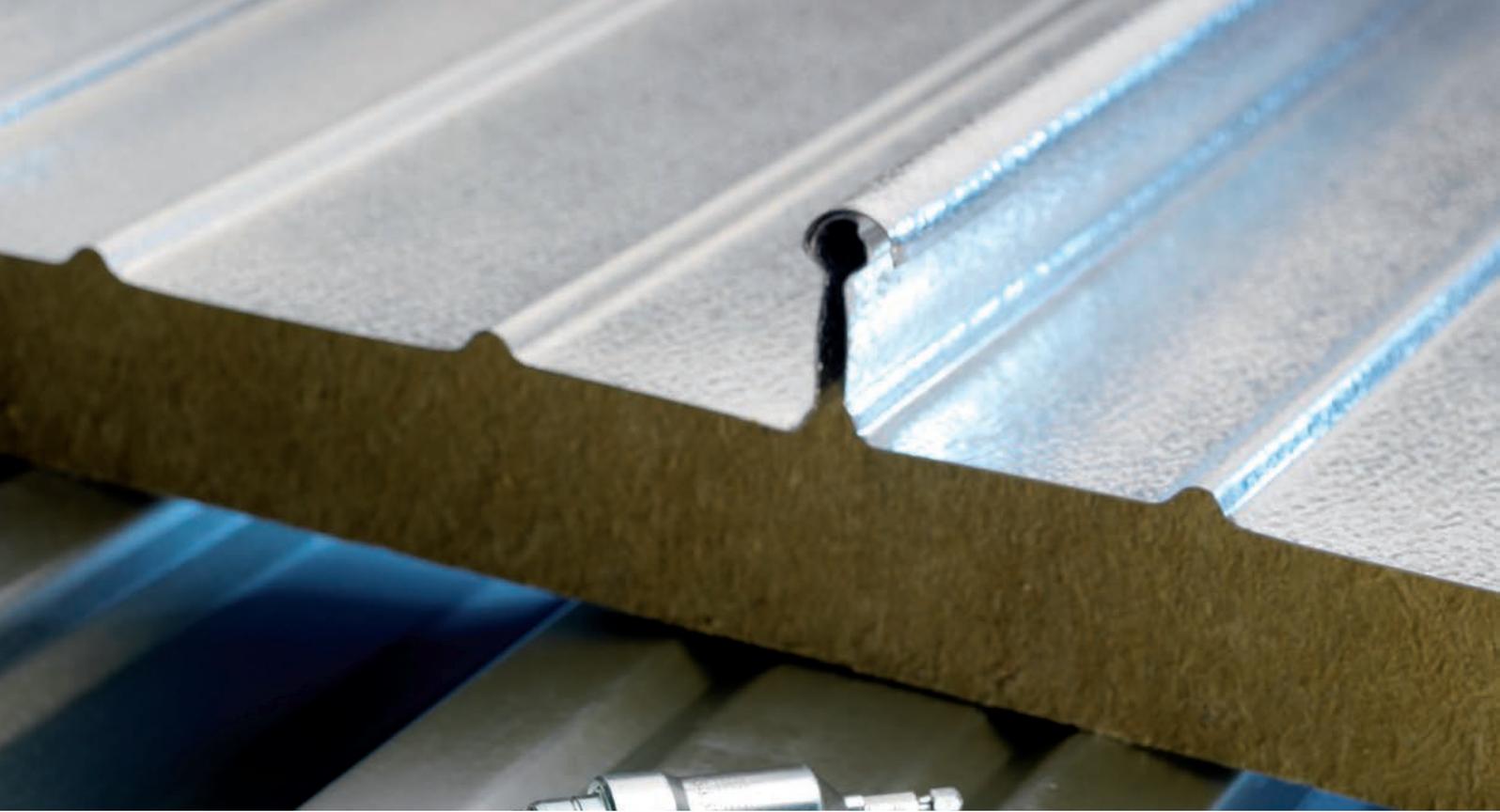
Composite Panels: General Introduction

A general introduction to the design of fasteners for the securement of insulated composite panels used in the construction of the roofs and walls for metal clad buildings.

Key learning points:

- Structural supports
- Roof panel solutions
- Wall panel solutions
- UK Market, OEMs & Trade Associations
- Fastener corrosion resistance & warranties
- Aesthetics
- SFS fastener solutions
- Rooflights and sealants

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects and specifiers of all levels
Duration:	2 hours



Technical Seminar

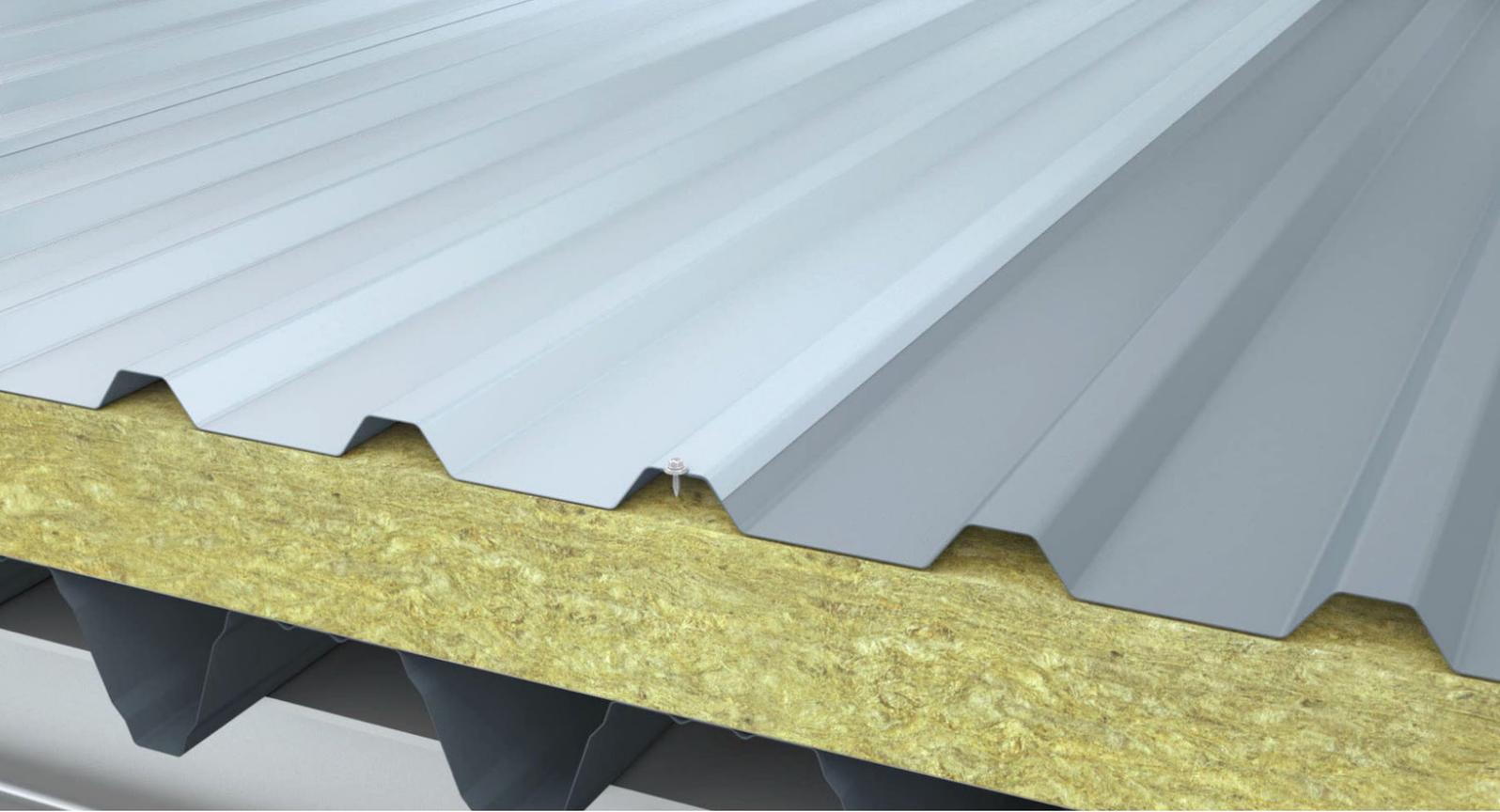
Standing Seam: General Introduction

Introduction to the design of fasteners for the securement of self-supporting profiled standing seam roofing systems used in the construction of the roofs for metal clad buildings.

Key learning points:

- What is standing seam?
- Fastener corrosion resistance & warranties
- Fastener solutions
- Technical data

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects / Specifiers / Installers / Buyers
Duration:	1 hour 30 minutes



Technical Seminar

Twinskin: General Introduction

A general introduction to the design of fasteners used for the securement of the multiple component layers used in the construction of twinskin metal roof systems for metal clad buildings.

Key learning points:

- Structural supports – Portal frames
- System build-up
- Roof systems
- Wall systems
- Spacer systems
- Fastener corrosion resistance & warranties
- Fastener solutions
- Rooflights and sealants

Technical area: Design, construction and technology

Knowledge level: General awareness

Who is it for? Architects and specifiers of all levels

Duration: 2 hours



Technical Seminar

Fall Protection Systems: Introduction

An introduction to the design and application of fall protection systems used in construction.

Key learning points:

- Regulatory requirements
- Hierarchy of fall protection
- British Standards & Testing
- Solutions for roof
- Vertical solutions
- Warranties

Technical area:	Design, construction and technology
Knowledge level:	General awareness
Who is it for?	Architects / Specifiers / Installers / Buyers
Duration:	1 hour 30 minutes

Practical training



isoweld® demonstration

The isoweld® fastening system uses induction technology to weld single ply membrane to dedicated stress plates, securing it to the roof surface. This session is an introduction to the system and a practical demonstration using the isoweld 3000.

Who is it for? Installers and roofing contractors

Duration: 2 hours

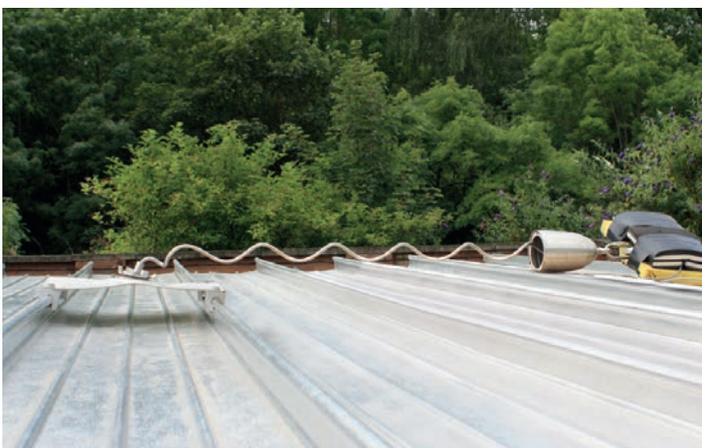


isotak® demonstration

Demonstration to the isotak® fastening system, which is used for the mechanical fastening of waterproof membrane and insulation to flat roof decks.

Who is it for? Installers and roofing contractors

Duration: 2 hours



Fall Protection training

Practical training and demonstration of a range of typical system installations including horizontal, overhead and vertical, to meet current legislation.

Who is it for? Installers

Duration: 1/2 day

Facilities

We have 2 location in the UK based in Leeds, with another site in Welwyn Garden City; with extensive parking, our premises boasts a purpose built Academy, demonstration area and showroom to provide training to the wider industry. Facilities include: kitchen for making refreshments; projector; audio.

The Academy

Our largest meeting room can be set up in various styles according to your requirements with a capacity for:

Theatre	60 people
Conference	40 people
Boardroom	32 people



Round Room

A smaller meeting room with capacity for 20 people. Smartboard and video conferencing capabilities.



Breakout Areas

Located next to the Academy, the breakout room is a relaxing space with comfy chairs, podium tables and plenty of standing space to enjoy refreshments.

For larger events, there is the canteen with seating for 40 people which contains sofas, a large wall mounted TV and four desktop computers with internet access.

Both breakout areas contain a zip tap and drink making facilities.



Reception Areas

We have a large ground floor reception area with sofas, a welcome screen that can be personalised to your message, and a digital receptionist system for registering visitors into the building.

On the first floor we have a second smaller reception area before going through into the Academy and showroom.



Showroom

Showcasing SFS capabilities in Roofing and Cladding, Rainscreen, Flat Roof applications, Specification, Timber applications, Structural Connections, Fenestration, Fall Protection and e-Solutions.

Showroom and factory tours are available upon request.



Amenities

Parking

We offer on-site parking for up to 60 vehicles.

Equipment

For IT equipment, please see individual meeting rooms. Flip charts are also available.

Catering and beverages

Hot and cold beverages can be provided on request and can be served in either the breakout room or canteen. We work with local suppliers for fresh lunches made on the day. Dietary requirements can be catered for.

Demo areas

Space for demos are available inside the warehouse or outside in the designated test area.

Accommodation

Leeds hotels:

Holiday Inn Express, Cavendish Street, Leeds (3 minutes walk)

Premier Inn Leeds City Centre Wellington Street (5 minutes walk)

Welwyn Garden City hotels:

Best Western Welwyn Garden City, Homestead Ln (5 minute drive)

Premier Inn Welwyn Garden City, Stanborough Rd (7 minute drive)

Leeds

We are two minutes' drive from Leeds city centre, with close links to the M62 and M1. Leeds has a wealth of cafes, bars and restaurants.

Address:

**153 Kirkstall Road,
Leeds, West Yorkshire, LS4 2AT.**

(Opposite the ITV studios)

Welwyn Garden City

Located approximately 20 miles from London. Welwyn is unique in being both a garden city and new town, in which exemplifies the cultural planning ideals of the periods in which it was built.

Address:

**Unit A, City Park, Watchmead,
Welwyn Garden City, Herts, AL7 1LT**

Contact us

To enquire about our program of events or to have a chat about how we can assist you with your training needs, please contact your local sales representative or call the Marketing Department on:

0113 2085 500, or email insight@sfs.biz

To stay up to date with our programmed events, follow us, SFS Group on LinkedIn and Twitter or you can find out more by visiting www.sfsintec.co.uk

Notes

A series of 20 horizontal lines for writing notes, each line consisting of a light gray shaded area above a thin black line.

Notes

Lined area for notes, consisting of multiple horizontal lines.



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