

## Technical CPD Seminars

Imparting flat roof knowledge at your office

# PROFESSIONAL DEVELOPMENT



# Technical CPD Presentations

## Bespoke content tailored to meet your needs, delivered either in your office or digitally via Microsoft Teams

Our bespoke CPD presentations are created to address your specific roofing requirements and can be tailored towards a project you are currently working on.

Our presentations last approximately 45 minutes, and take place over the lunchtime period in your offices or via Microsoft Teams. We welcome your questions once the presentation has finished.

Your chosen topic will be delivered by your Bauder Area Technical Manager who will be on hand to work with anyone requiring project-specific support or advice. In addition to full topics, we also have a selection of specialist modules that can be switched into your presentation where desired. Just let us know which ones interest you when you book your CPD.

### BOOK NOW:

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### Visit our website:

[bauder.co.uk/cpd](https://bauder.co.uk/cpd)

### New build construction core topics

(see page 3-5)

- **Designing flat roofs for modern construction:** Meeting the objectives for new buildings
- **Lightweight solutions for flat roofs:** A guide to single ply waterproofing systems and upgrading with green roofs and solar PV
- **Creating green roofs:** Meeting objectives for the environment, sustainability and building use.
- **Designing a blue roof:** Considerations for a rooftop sustainable drainage system (SuDS) in flood sensitive areas
- **Rooftop renewable energy:** Investigating the options for a PV array and how coupling it with a green roof delivers twofold



### Roof refurbishment core topics

(see page 6)

- **Designing refurbishment flat roofs:** Insight for surveyors and property managers on the suitable waterproofing options, creating effective falls and resolving challenging details
- **Enhancing a current flat roof:** Investigating the options available for improving thermal performance, retrofitting a green roof or adding a PV array (or all three) during roof renewals



# New Build Construction CPD Topics

## Supporting designers in creating successful flat roofs

### Designing flat roofs for modern construction

Meeting the objectives for new buildings with the correct selection of waterproofing.

Different waterproofing options are available for new build construction and each can be specified according to requirements.

This seminar investigates:

- individual benefits of different waterproofing systems for flat roofs.
- insulation to suit the needs of the building and meet legislation.
- design considerations and detailing for a successful project.
- legislation, installation quality and guarantees.

### Lightweight solutions for flat roofs

Single ply waterproofing, and upgrading with a green roof and solar PV.

Single ply waterproofing is a popular solution that can be enhanced with renewable energy and green roofs.

This seminar explores:

- the individual merits of single ply system as a lightweight waterproofing.
- correct specification of PVC or FPO and a comparison of advantages.
- selecting the air and vapour control layer (AVCL).
- fixing methods for the system.
- the aesthetic finishes that can be created, including profiles or a vegetated green roof.
- adding a solar PV array.
- insulations to meet the needs of the building and legislation.





# New Build Construction CPD Topics

## Supporting designers in creating successful flat roofs

### Creating green roofs

A green roof is specified for many different reasons encompassing increasing outdoor spaces to enhance the building's use, satisfy planning conditions, meet targets for retaining and supporting biodiversity and net zero, and oppose climate change.

Understand more about designing to meet client expectations, the construction's location, and deliver the desired visual finish with ongoing success.

This seminar investigates:

- motives for including a green roof.
- how biodiversity net gain for new developments will impact green roofs in the UK.
- creating a green roof that meets its purpose.
- the finishes possible and the considerations to sustain the vegetation through component selection.
- maintenance.

### Designing a blue roof

Considerations for a rooftop sustainable drainage system (SuDS) in a flood sensitive area in order to meet planning conditions.

A solution for urban areas where options for groundbased attenuation systems are limited.

This seminar examines:

- the key aspects to meet the planning conditions for limiting water egress from a site.
- current legislation, British Standards and industry codes of practice.
- practical elements for the design of a blue roof.
- the drainage mechanism.
- construction of the roof deck and suitable waterproofing.
- options for the final visual finish.



# New Build Construction CPD Topics

## Supporting designers in creating successful flat roofs

### Rooftop renewable energy

Investigating the options for a PV array and how coupling it with a green or blue roof delivers further benefits for sustainability.

Designers considering the inclusion of a PV array on new build flat roof construction projects can focus on more than energy efficiencies and outputs.

This presentation outlines:

- key elements to be mindful of.
- installation method that protects the building and its waterproofing.
- creating a design that maximises the usable non-shaded roof space.
- meeting lifespan expectations.
- specifying an integrated solution by combining with a green or blue roof to further enhance the benefits.



# Roof Refurbishment CPD Topics

## Replacement flat roofs and meeting specific challenges

### Refurbishment flat roofs

Insight for surveyors and property managers on waterproofing, creating falls and solving challenging details.

There are different options available for refurbishing flat roofs: removing the failing system and replacing it, overlaying the existing roof, or using a combination of both (depending on levels of damage).

This presentation takes you through:

- the latest updates to standards and legislation.
- surveying the roof to identify the challenges.
- options available for upgrading the insulation.
- improving falls on the roof.
- selecting the right waterproofing for the project and designing perimeter and penetration details.
- considerations of the current interfaces of the roof and how to resolve the challenges.

### Enhancing a current flat roof

Retrofitting green roofs and PV arrays during roof renewal works on a building.

This often under-used space can support sustainability, the environment, and generate electricity.

This seminar investigates:

- considerations for successful planning and design of a green roof or PV array on a retrofit or refurbishment project.
- the drivers for upgrading a roof.
- weight loading considerations.
- waterproofing suitability.
- the green roof system.
- photovoltaic array installation methods.
- perimeter and penetration detailing.





# Booking Your CPD

## Content can be tailored to suit the needs of your business

Our bespoke presentations will focus on your specific knowledge requirements and can be tailored towards a project you or your company are currently working on.

Your chosen topic will be delivered by your Bauder Area Technical Manager either digitally or in person at your offices at a time that best suits your company. The presentation lasts approximately 45 minutes, leaving plenty of time for questions afterwards.

A CPD is a great way to familiarise yourself with your Bauder Area Technical Manager as they are your main point of contact for project-specific support or advice. Their extensive flat roofing knowledge can add real value to your project.

### How to book your CPD



#### Scan the QR code:

The link will take you to a web form that asks for some simple information and we will call you to arrange your chosen CPD.

#### Speak with us:

Call Jonathan Huggins, CPD co-ordinator, and he will make all the arrangements with you.

**T:** 01473 261258

#### Visit our website:

Launch your favoured browser and fill in a short form.

**W:** [bauder.co.uk/contact-us](https://bauder.co.uk/contact-us)



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