

Technical CPD Seminars

Imparting flat roof knowledge at your office



Technical CPD Presentations

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

Our CPD presentations are created to address your specific flat roof project 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, with plenty of time for questions afterwards. This keeps disruption to a minimum and we provide lunch.

Your chosen topic will be delivered by your Bauder Technical Manager who will be on hand to work with anyone requiring project specific support or advice.

BOOK NOW : Jonathan Huggins
CPD Co-ordinator
01473 261258
j.huggins@bauder.co.uk

Visit our website: bauder.co.uk/cpd

NEW BUILD CONSTRUCTION TOPICS

(see pages 3-5)

- **Designing flat roofs for new buildings :** Meeting the objectives for modern construction.
- **Lightweight solutions for flat roofs:** Single ply systems enhanced 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 roof top sustainable urban drainage system (SuDS).
- **Rooftop renewable energy:** Options for a solar PV array and how to include a green or blue roof .



ROOF REFURBISHMENT TOPICS

(see pages 6-7)

- **Designing refurbishment flat roofs:** Insight for the suitable waterproofing options, creating effective falls, and resolving challenging details.
- **Upgrading 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 enhancing the rooftop with a green roof and solar PV.

Single ply waterproofing is a popular lightweight 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.
- 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 a green roof

Meeting building design objectives for the environment, sustainability, building use, and planning.

Designing to meet client expectations, the 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 urban drainage system (SuDS) in a flood sensitive area in order to meet planning conditions.

A solution for urban areas where options for ground-based attenuation systems are limited.

This seminar examines:

- The key aspects to meet the planning conditions for limiting water egress from a site.
- Current legislation and British Standards and 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 and a blue roof delivers maximum 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 further enhances 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 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 robust 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 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.
- Robust detailing.





UNITED KINGDOM

Bauder Limited

70 Landseer Road, Ipswich,
Suffolk, IP3 0DH

T: +44 (0)1473 257671

E: info@bauder.co.uk

bauder.co.uk

IRELAND

Bauder Limited

O'Duffy Centre, Carrickmacross,
Co Monaghan

T: +353 (0)42 9692 333

E: info@bauder.ie

bauder.ie