

Unilin Insulation UK Limited



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CPD Overview

Unilin Insulation, formerly Xtratherm, is one of the largest manufacturers and suppliers of insulation. The company has a 20-plus-year history of working in partnership with construction professionals to close the gap between design and as-built performance.

The higher standards of fabric performance required in the Future Homes Stand and Passive call for greater adherence to best practice detailing. We provide resources and support to the industry to help achieve this and to 'close the gap' between design and build. We have a dedicated Technical Team, all qualified to the highest competency standards in U-value calculation and condensation risk analysis. We have 3D Thermal Bridging and WUFI analysis covered also; being the first company in Ireland and UK to be assessed and certified under the NSAI and BRE thermal modeling competency scheme. For support on higher energy performance and lower carbon emissions, please visit unilininsulation.co.uk



Available CPD Material (8)



Multiple formats

From Regulations to RIBA Climate Challenge – Energy Targets & Accounting for Embodied Carbon

The presentation aims to provide an overview of the new Part L 2021 edition and the proposed future homes standard performance requirements. There is also an introduction to the RIBA Climate Challenge 2030 and an outline of the target criteria including embodied carbon. The presentation aims to inform attendees about the process and conventions involved in a Life Cycle Assessment (LCA). By the end of the CPD you should have a greater understanding of:

- The recent Govt announcements on the Part L 2021 and the proposed Future Homes Standard
- An introduction to embodied carbon as a metric - Future regulations
- The principles of the RIBA Climate Challenge 2030
- What an EPD is and what role it has in calculating embodied carbon
- The assessment of embodied carbon on 4 dwelling types

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness



Section 6 2022 Scotland: Fabric Performance and towards Passive

This seminar looks at the Scotland Building Standards Technical Handbook Section 6 on energy efficiency. It will help you to understand the following topics:

- Understand the goals set within Section 6 for fabric performance, the fabric first approach and how to achieve compliance in your specification
- Understand the advantage of good detailing to achieve good fabric performance
- Understand the thermal bridging factor, the Y-value and how it is calculated
- Understand how to calculate target U-values and the reference house
- Understand how to get towards Nearly Zero Energy Buildings (NZEB), Zero Carbon House and Passive standards

Material type: Seminar

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

Knowledge level: General Awareness



Designing to Zero Carbon: Regulations, Future Homes Standard and RIBA Climate Challenge 2030

This presentation looks at the announced changes to Building Regulations Part L from 2021 in England to achieve Net Zero emissions for new dwellings buildings from 2025; how they relate to the Future Homes Standard, and how they compare to the RIBA Climate Challenge 2030. By the end of the CPD you should have a greater understanding of:

- The key points as announced by the Government as to their plans for Part L Regulations and the Future Homes Standard
- The timetable for implementation of Part L 21 and the Future Homes Standard
- The Government's commitment to a 'Fabric First Approach' to Zero Carbon under regulations
- Typical fabric specifications to achieve Part L 21 and the Future Homes Standard
- The RIBA 2030 Climate Challenge - including the 3 main target metrics and the importance of embodied carbon
- The comparison for fabric performance under Part L, Future Homes Standard and RIBA Climate Challenge 2030

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology
Sustainable architecture

Knowledge level:

General Awareness



Multiple formats

From Regulations to RIBA Climate Challenge – Energy Targets & Accounting for Embodied Carbon_no longer used

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology
Sustainable architecture

Knowledge level:

General Awareness



Building Regulations Part L 2010 - Technical Briefing Note

The Government has updated Part L of the Building Regulations. The update is intended to improve the energy efficiency of new buildings by approximately 25%, improve the correlation between the predicted and actual performance of new buildings, continue along the path towards zerocarbon new buildings within the next decade and to promote improvement of the existing building stock

Guidance appears in four new editions of the Part L Approved Documents, which will come into force on 1 October 2010:

- Approved Document L1A - New Dwellings
- Approved Document L1B - Existing Dwellings
- Approved Document L2A - New Buildings Other than Dwellings
- Approved Document L2B - Existing Buildings Other than Dwellings

Material type:

Literature

RIBA Core Curriculum:

Legal, regulatory and statutory compliance
Sustainable architecture

Knowledge level:

General Awareness



Building Fabric Performance. Energy Efficiency Standard (FEES) for the Code for Sustainable Homes and towards Zero Carbon

The drive toward ever more energy efficient buildings, whether in domestic or commercial, relies heavily on providing a well insulated building fabric. This presentation is the first in a series looking at fabric performance under the code for Sustainable Homes. The seminar will cover:

- The road map to Zero-Carbon and the role of the Code for Sustainable Homes
- The introduction of the EPBD and energy labelling and the drivers of Part L change
- Part L 2006 - The starting point on the road
- Part L 2006 - The 5 criteria to compliance
- Fabric performance and the role of thermal bridging and air tightness
- Compliance example specification

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology
Sustainable architecture

Knowledge level:

General Awareness



Building Fabric Performance - Energy Efficiency Standard (FEES) for the Code for Sustainable Homes and Towards Zero Carbon

The drive toward ever more energy efficient buildings, whether in domestic or commercial, relies heavily on providing a well insulated building fabric. This presentation, the second on the Code for Sustainable Homes looks at fabric performance to achieve Code 3 and above:

- The introduction of the Code for Sustainable Homes (CSH), and Part L revision
- CSH-the points system and where they are collected
- Fabric performance-the priority category
- Fabric performance-compliance target U-values
- Compliance example specification

Material type: Seminar

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

Knowledge level: General Awareness



Building Fabric Performance: Meeting Part L 2013 and Beyond

What the drivers for regulation changes are

- What the connection between Part L and CSH is
- The Key Factors in Fabric Performance
- The Road to the Future – Zero Carbon

Material type: Seminar

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

Knowledge level: General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Structure

External walls > Cavity wall insulation

Floors, including beams > Floor insulation

Roofs, including beams > Roof space insulation

Finishes

Wall finishes: external > External insulation of external walls

Wall finishes: internal > Composite wall lining systems

Roof finishes > Roof finish underlays and insulation

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*