Ravago Building Solutions

Ravago Building Solutions, Estuary Road, Kings Lynn, United Kingdom, PE30 2HJ
www.ravagobuildingsolutions.co.uk

CPD Overview

Ravago Building Solutions is the largest producer of extruded polystyrene (XPS) insulation in Europe, following its acquisition in 2018 of seven XPS production plants and the technology from DowDuPontInc. The market-leading Ravatherm XPS X thermal insulation boards can be used in a range of roofing and flooring applications.

Available CPD Material (6)

Specifying Insulation for Inverted Flat Roofing

This seminar aims to:

- Show the importance of referencing industry guidelines when making material choice
- Raise awareness of correct methods for making U-value calculations for inverted flat roofs
- Raise awareness of correct methods when installing inverted roof insulation
- Cover major issues to be aware of when specifying insulation for inverted flat roofs

Material type: Online Learning

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Ensuring safety while delivering high performance with inverted flat roof insulation

It is a legal requirement for buildings to be designed to prevent the spread of fire from one structure to another and consideration must be given to this while designing and specifying building materials for use in an inverted flat roof. There has been an increased focus on fire safety in residential buildings following the 2017 Grenfell Tower fire, where combustible materials used in the cladding of the tower are believed to have contributed to the spread of fire. However, this does not mean that only non-combustible materials can be used safely in an inverted flat roof.
By the end of the CPD you should have a greater understanding of:
- How Approved Document B applies to inverted flat roofs
- Broof(t4) classification and testing regime
- The impact of EC Decision 2000/553/EC on testing requirements
- The importance of selecting appropriate insulation material
- How fire regulations apply to inverted roofs and how this impacts on specification of insulation materials

Material type: Seminar

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

Knowledge level: General Awareness

Fire Safety Considerations When Specifying Insulation for an Inverted Flat Roof

It is a legal requirement for buildings to be designed to prevent the spread of fire from one structure to another and consideration must be given to this while designing and specifying building materials for use in an inverted flat roof. There has been an increased focus on fire safety in residential buildings following the 2017 Grenfell Tower fire, where combustible materials used in the cladding of the tower are believed to have contributed to the spread of fire. However, this does not mean that only non-combustible materials can be used safely in an inverted flat roof. This CPD discusses how fire regulations apply to inverted roofs and how this impacts on specification of insulation materials. By the end of the article you should have a greater understanding of:
- How Approved Document B applies to inverted flat roofs
- The impact of EC Decision 2000/553/EC on testing requirements
- The importance of selecting appropriate insulation material

Material type: Article
RIBA Core Curriculum: Design, construction and technology
Knowledge level: Microlearning

Flooring Insulation in Ground Floors - Laying a Strong Foundation

Since 1990, Building Regulations have required ground floors to be insulated in order to save energy. This article looks at the factors that need to be considered when addressing ground floor insulation, including: construction techniques, thermal bridging, calculating U-values, and the impact of insulation on a project's design. By the end of the CPD you should have a greater understanding of:
- The core principles of flooring insulation
- How to calculate U-values
- Loading
- The importance of correct insulation material
- How to perform a more accurate U-value calculation for a ground floor

Material type: Article
RIBA Core Curriculum: Design, construction and technology
Knowledge level: Microlearning

The Importance of Water Flow Reducing Layer in an Inverted Flat Roof

This CPD article will discuss the Water Flow Reducing Layer as central to the thermal performance of an inverted flat roof - minimising heat loss due to the rainwater cooling effect. It explains the crucial role they play and how to properly account for their presence in U-value calculations. By the end of the CPD you should have a greater understanding of:
- Core principles of an inverted roof
- The difference between declared lambda and design lambda
- The role that a Water Flow Reducing Layer (WFRL) plays in an inverted roof
- How to perform a more accurate U-value calculation for an inverted roof taking into account moisture conversion factor

Material type: Article
RIBA Core Curriculum: Design, construction and technology
Knowledge level: Microlearning

Fire Safety Considerations When Specifying Insulation for an Inverted Flat Roof

Material type: Seminar

Classifications

Subject/Product Areas (CI/SfB)

Structure
Roofs, including beams > Roof space insulation
External walls > Cavity wall insulation
Floors, including beams > Floor insulation

Finishes
Roof finishes > Roof finish underlays and insulation

RIBA Core Curriculum areas

Design, construction and technology
Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance
Knowledge level: *General Awareness*