Recticel Insulation

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CPD Overview

Recticel Insulation manufactures quality, high performance rigid polyisocyanurate (PIR) foam boards. Through their Eurothane, Eurowall and Powerdeck ranges, they offer whole building solutions for new build, extension and refurbishment projects. Their products are backed up by a high level of technical service, including BBA Competency Scheme-assessed U-value calculations and RIBA-assessed CPD material, advising customers how to achieve the best results with the company's products and improve the thermal comfort of their buildings.

Available CPD Material (10)

Multiple formats

U-value Calculations and Condensation Risk

The fundamentals of heat transfer, insulation, U-value calculations and condensation risk. How to design and specify insulation and understand typical construction to achieve intended performance.

- Overview of heat transfer and insulation performance
- Thermal performance of materials and calculation of R-values and U-values
- How and why condensation occurs
- Placement of vapour control layers and breather membranes to achieve best performance

Material type:	Online Learning, Seminar
RIBA Core Curriculum:	Design, construction and technology
Knowledge level:	General Awareness

Specifying Rigid Full Fill Cavity Wall Insulation

Cavity wall construction is one of the most common build methods. Whilst the fundamentals have not changed, the way we design and build cavity walls has evolved as construction methods change and performance targets increase.

This CPD presentation looks at the evolution of cavity wall construction and provides insights in to understanding thermal conductivity values, design considerations and relevant regulations and approvals.

By the end of the CPD you should have a greater understanding of:
- The evolution of cavity wall construction.
- Thermal conductivity values.
- Typical installation solutions.
- Relevant regulations and approvals.
- Design considerations.

Material type: Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Reducing the Performance Gap through Fabric First

Creating thermally efficient buildings is critical. All too often buildings are created and there is a performance gap - the difference between as designed and as built. This presentation looks at the performance gap and why it exists and the impact. It looks at how it can be addressed with a fabric first approach and what the benefits of continuous insulation and calculated construction details are. It also looks at understanding the impact of thermal bridging and improving airtightness.

Material type: Seminar

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

Knowledge level: General Awareness

Single Layer Insulation Systems - The Future of Tapered Roofing

The design of flat roofs is critical to prevent water ingress. Tapered insulation is designed to provide the desired thermal performance as well as create a fall. This ensures adequate drainage to prevent ponding of water.

This seminar covers:
-Understand what tapered insulation is
-Understand what insulation materials can be used to create a tapered roof system
-Learn about how to draw a scheme
-Learn about how on site support can assist
-Look at design considerations

This presentation looks at the the design and manufacture of single layer tapered roof insulation systems and provides insights in to understanding how to draw a scheme and what on site support can be expected. It also looks at design considerations and relevant regulations and approvals.

Material type: Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

NLU - U-value Calculations and Condensation Risk

Multiple formats

The fundamentals of heat transfer, insulation, U-value calculations and condensation risk. How to design and specify insulation and understand typical construction to achieve intended performance.
- Overview of heat transfer and insulation performance
- Thermal performance of materials and calculation of R-values and U-values
How and why condensation occurs
Placement of vapour control layers and breather membranes to achieve best performance

Material type: Seminar, Article

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Specifying a Flat Roof with PIR Insulation

Choosing PIR insulation boards for different waterproofing.
- Requirements/products characteristics of flat roof PIR insulation.
- Fixing methods for different flat roof build ups.
- Condensation risk in flat roofs.
- Understanding vapour control layers.
- The dangers of hybrid roof constr

Material type: Article

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

U-value Calculations and Condensation Risk-NLU

The fundamentals of heat transfer, insulation, U-value calculations and condensation risk. How to design and specify insulation and understand typical construction to achieve intended performance.
- Overview of heat transfer and insulation performance
- Thermal performance of materials and calculation of R-values and U-values
How and why condensation occurs
Placement of vapour control layers and breather membranes to achieve best performance

Material type: Article

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Reducing the Performance Gap through Fabric First-NLU

This article covers the following topics:

- An introduction to the performance gap in buildings
- Recognising the impact of the performance gap
- The causes of the performance gap
- An introduction to Fabric First, the benefits of continuous insulation and reducing the effects of thermal bridging
- An introduction to approved construction details (Accredited & Enhanced)
- The impact of thermal bridging on energy efficiency
- Improving airtightness

Material type: Article

RIBA Core Curriculum: Design, construction and technology
Sustainable architecture

Knowledge level: General Awareness

Specifying Rigid Full Fill Cavity Wall Insulation_no longer used

Cavity wall construction is one of the most common build methods. Whilst the fundamentals have not changed, the way we design and build cavity walls has evolved as construction methods change and performance targets increase. This presentation looks at the evolution of cavity wall construction and provides insights in to understanding thermal conductivity values, design considerations and relevant regulations and approvals. By the end of the CPD you should have a greater understanding of:
- The evolution of cavity wall construction
- Thermal conductivity values
- Typical installation solutions
- Relevant regulations and approvals
- Design considerations

Material type: Seminar

RIBA Core Curriculum: Design, construction and technology

Knowledge level: General Awareness

Reducing the Performance Gap Through Fabric First-NLU

The actual 'as built' energy performance of buildings is often significantly worse than 'as designed'. Fabric First is a practical approach to improve the energy efficiency of buildings. This seminar covers:
- An introduction to the performance gap in buildings
- Recognising the impact of the performance gap
- The causes of the performance gap
- An introduction to Fabric First, the benefits of continuous insulation and reducing the effects of thermal bridging
- An introduction to approved construction details (Accredited & Enhanced)
- The impact of thermal bridging on energy efficiency
- Improving airtightness

Material type:	Seminar, Article
RIBA Core Curriculum:	Design, construction and technology 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
Roof finishes > Roof finish underlays and insulation
Wall finishes: internal > Internal wall coatings
Wall finishes: internal > Composite wall lining systems

Engineering
General engineering services > Mechanical thermal insulation

RIBA Core Curriculum areas

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

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

Sustainable architecture
Knowledge level: *General Awareness*