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CPD Overview

MEDITE SMARTPLY is the market leading manufacturer of sustainable MDF & OSB timber panels. As a Coillte Group company, their products are manufactured in Ireland using raw materials from their own managed forests, guaranteeing consistency of supply and minimal carbon footprint in transport of these materials and onward supply chain.

MEDITE MDF Panels

From MEDITE's production and research plant in Clonmel, Ireland, they supply a wide range of MDF (medium density fibreboard) products to meet the diverse needs of users, specifiers, and designers across Europe and beyond. Their extensive range includes ten different families of MDF products and many variants, with over 400 possible specifications from a production capacity of some 410,000 m3.

Through consistent commitment to research, development, and ongoing investment in technology, they've have established MEDITE as the leading brand in the MDF market by introducing a wide variety of quality products and customer led innovations. Their technological innovations have led the greater market to advances in areas such as finish quality, moisture resistance, flame retardancy and many more MDF attributes.

SMARTPLY OSB Panels

SMARTPLY Oriented Strand Board (OSB) is the versatile, cost effective alternative to plywood. It is manufactured by compressing precisely engineered strands of woods with exterior resins at high temperature to create an incredibly strong and versatile panel. SMARTPLY is made from sustainably sourced, fast-growing timber. The highly engineered OSB panels are perfect for offsite and timber frame applications.

They produce two grades of SMARTPLY: MAX and ULTIMA. Each is made with a specific resin, has no structural defects such as knotholes and core voids and is simple to work with. It cuts easily, will not delaminate, and can be bored, routed and planed with consistent results. Panels can be nailed 10mm from the edge without spilling or breaking out - critical to structural applications.

SMARTPLY OSB structural panels meet the criteria of today's demanding construction standards. Manufactured to European Standard EN300, they satisfy BS5268 Part 2 (Structural uses of Timber - Code of practice for permissible stress design, materials, and workmanship)



Available CPD Material (10)

**Specifying Airtight OSB for Passive House and Low Energy Buildings**

This seminar looks at the standards required for Passive House and Low Energy Construction. It will help you to understand the following topics:

- Understand how airtightness is achieved in construction
- Understand airtight product availability
- Understand the requirements for airtight certified OSB
- Understand how vapour control in timber frame buildings is achieved

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness



Extreme Durable MDF - Panel Products with a Minimum Service Life of 60 Years for Exterior and Interior Wet Applications_no longer used

- What is wood modification via acetylation method?
- What is Extreme Durable MDF?
 - What tests have been done on Extreme Durable MDF?
 - What are Extreme Durable MDF leading uses?

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

Extremely Durable MDF



This CPD aims to provide a greater understanding of EXTREMELY DURABLE MDF and the acetylation process. It will dive into how EXTREMELY DURABLE MDF is made via acetylation, its performance and sustainability benefits, as well as how the cost and test results compare to alternative materials. This CPD will also provide examples of how EXTREMELY DURABLE MDF is being used to great effect in the industry today.

- This CPD aims to explore:
1. What Is Wood Modification Via Acetylation Method?
 2. What Are The Sustainability Benefits Of EXTREMELY DURABLE MDF?
 3. Testing For EXTREMELY DURABLE MDF.
 4. Performance, Processing And Costs Of EXTREMELY DURABLE MDF.
 5. What Are The Advantages And Disadvantages Of EXTREMELY DURABLE MDF?

- By the end of this CPD delegates should have an:
1. Understanding what wood modification via acetylation is.
 2. Understanding the sustainability benefits of EXTREMELY DURABLE MDF.
 3. Understanding the testing performance of EXTREMELY DURABLE MDF.
 4. Understanding how EXTREME MDF can be processed and the long term cost benefits.
 5. Understanding of the advantages and disadvantages of EXTREMELY DURABLE MDF compared to alternative options.

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

Oriented Strand Board (OSB): The Versatile Timber Panel



Oriented Strand Board (OSB) is a moisture resistant, structural timber board which can be used in various applications. This CPD will focus on how it is made, grades of OSB, the sustainable benefits of using OSB and explain flame retardance and its benefits. It will also cover the uses and benefits of specialist OSB boards for applications such as drylining and flame retardant panels.

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



Extreme MDF 2022 (new title needed) -NLU

To follow

Material type:

Seminar



Specifying Oriented Strand Board (OSB) Its Characteristics, Standards and Benefits

This seminar will look at:

- OSB – What is it
- How it is manufactured
- Standards and Specification of OSB
- Applications for each variant and benefits
- Identification

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Oriented Strand Board (OSB): The Versatile Timber Panel

Oriented Strand Board (OSB) is a moisture resistant, structural timber board which can be used in various applications. This CPD will focus on how it is made, its uses and its certifications, as well as covering examples of how it has been used in these applications. It will also cover the uses and benefits of specialist OSB boards for applications such as drylining and flame retardant panels. By the end of the seminar you should have a greater understanding of:

- What OSB is and how it is made
- The properties of OSB
- The advantages of OSB over alternatives
- The various uses of OSB and how it has been modified for specialist applications

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Fire Performance for Pre-Treated Engineered Timber in Construction

Material type:

Seminar



Flame retardant MDF and OSB for use in construction

Flame-retardant, engineered wood-based panels have opened up endless possibilities for construction projects. But how does the technology work? What benefits do the panels provide? And what do architects need to know in order to specify them with the confidence? This CPD will explore the fundamentals of fire, how it spreads, key terminology that is often misunderstood, the testing involved in fire certifications, differences between timber that has been coated or treated during manufacture and the fundamentals of specification of these panels. By the end of the presentation you should have a greater understanding of:

- The basics of fire and fire spread within a building
- How flame retardant treatments provide enhanced levels of fire protection
- The testing required to achieve fire certifications
- How to differentiate between materials that have been treated during manufacture and post-treated materials
- The fundamentals of specifying flame retardant wood panels

Material type:

Seminar



Specifying Airtight OSB for Passive House and Low Energy Building (2024)

This seminar looks at the standards required for Passive House and Low Energy Construction. It will help you to understand the following topics:

- Low energy buildings principles
- Achieving airtightness
- What is OSB?
- Airtight products
- Vapour control using airtight panels.

By the end of this CPD delegates should have an:

1. Understanding what the principles are of low energy building.
2. Understanding how to achieve airtightness.
3. Understanding what OSB is.
4. Understanding what airtight products there are.
5. Understanding using airtight panels for vapour control.

Material type:

Seminar

Classifications

Subject/Product Areas (CI/SfB)

Structure

Roofs, including beams > Roof decking - prefabricated timber

Finishes

Finishes > Wood and wood-based panels

Roof finishes > Roof finish underlays and insulation

General products

Sections, including tapes > Structural timber

Rigid sheets, boards > Wood fibre boards etc

Rigid sheets, boards > Wood particle boards

Rigid sheets, boards > Plywood, blockboard, laminboard

Special activities, requirements

Green applications, resources; sustainability > Water recycling

Green applications, resources; sustainability > Renewable energy systems

Green applications, resources; sustainability > Energy management systems

Green applications, resources; sustainability > Natural insulation products

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*