



A GUIDE TO MDF & OSB

# Fit-Out



Let's do the right thing!

**MEDITE®**  
**SMARTPLY®**   
INNOVATIVE TIMBER PRODUCTS

A misty, foggy forest scene with tall evergreen trees, serving as the background for the entire page.

# AN INTRODUCTION TO **MEDITE SMARTPLY**

**MEDITE SMARTPLY** is a market leading manufacturer of sustainable timber construction boards. Our award-winning brands **MEDITE** and **SMARTPLY** are renowned for delivering the highest quality products, customer-led innovation and industry leading customer service.

Our manufacturing sites in Clonmel (**MEDITE**) and Waterford (**SMARTPLY**) in Ireland feature the latest production technology to deliver straighter, flatter and more consistent boards than ever before, in a range of sizes and thicknesses unparalleled within the industry. Constant progression and investment have allowed **MEDITE SMARTPLY** to enter new diverse markets and sectors, meaning that there is always a fresh pipeline of new products to address market demands.

As part of the Coillte Group, we pride ourselves on our sustainable supply chain and manufacturing processes, meaning our products are as environmentally conscious in their make up as they are in their application.

Since the beginning **MEDITE SMARTPLY** has become known for adapting products and services to suit end users' needs, while maintaining a consistent stance on sustainability and creating products that add value throughout the supply chain.



## A new standard

**MEDITE SMARTPLY** provides a diverse range of MDF and OSB boards with the aim of solving design and installation issues faced by the industry today.

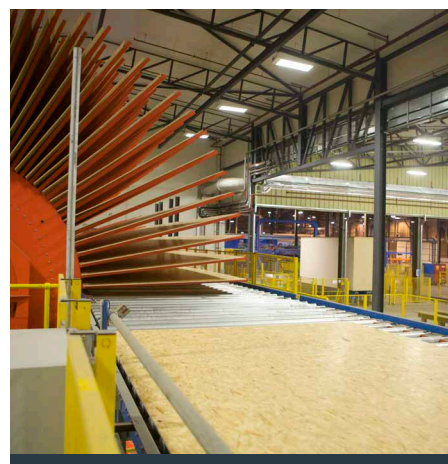
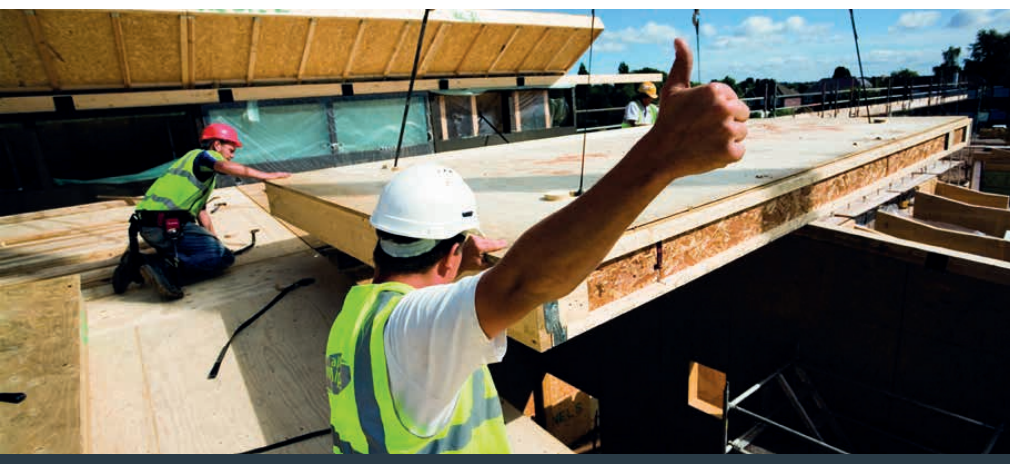
With unrivalled quality and environmental certification, **MEDITE MDF** and **SMARTPLY OSB** are some of the most environmentally efficient building materials on the market. Each board is made from sustainable, FSC® certified, fast-growing timber: the forest thinnings of new-growth pine

and spruce. This includes the tops, which are not usually used to make any other wood-based product.

**SMARTPLY OSB** boards are fully certified, structurally approved, CE compliant, legal and sustainable alternatives to tropical plywood. We set the standard in fire performance, structural integrity and largescale projects.

All our OSB products are also manufactured with no added formaldehyde as standard, while our

specialist MDF products either have no added formaldehyde or are made to meet the stringent CARB2 standard for emissions. This means that when working closely with our products, contractors can rest assured that each board contains only the smallest possible level that is naturally occurring in all wood products. This is part of our aim to better enable the continued conscious creation of safe, healthy environments for building occupants.



# We define the standard of MDF and OSB



# WHAT DOES MEDITE SMARTPLY BRING TO THE FIT-OUT SECTOR?

Whether home or office, we spend around 90% of our time indoors— more than enough time for each and every building we encounter over our lifetime to have a tangible impact on our quality of life.

In the time since the first green building rating system was established – BREEAM in 1990 – we have come to recognise the potential for buildings to not only safeguard but actively promote health and wellbeing as well as sustainability.

Across the world, building regulations and ratings systems have evolved to reflect this, helping us to track our progress, maintain standards and incentivise more designers and developers to build greener, healthier spaces.

Recently, this has evolved even further to examine not only a building's environmental impact, but its human impact too.


And it's not just our thinking that's evolved when it comes to wellbeing; technology has as well. The products we can now develop have enabled us to use the power of buildings to keep our bodies healthy, our minds calm, and even make our work more efficient – and do it all sustainably.

Understanding the vitality of healthy interior spaces, **MEDITE SMARTPLY** has worked tirelessly to develop sustainable products such as **MEDITE CLEAR** and **MEDITE FR CLEAR**, MDF with no added formaldehyde for sensitive applications and its fire rated sister; **MEDITE MR** and **MEDITE TRICOYA EXTREME**, MDF addressing moisture and water resistance; **SMARTPLY FR**, fire rated OSB for floors and walls; and many more.

Able to bring life and renewed purpose to buildings old and new, the interior Fit-Out is what makes a building into a space to be used. Now, as we grow in consciousness towards sustainability and creating safer, healthier spaces, Fit-Out is gaining gravitas as more than just decor.



Since 2001, **MEDITE SMARTPLY** has manufactured **SMARTPLY OSB** with no added formaldehyde and **MEDITE MDF** with either no added formaldehyde or to meet the stringent CARB2 standard for emissions, for the benefit of those who will both work with our products and live with it in their built environments.

The background image shows a modern interior space with a wall covered in large, light-colored wood panels. Some of these panels have a perforated or acoustic texture. Three large, black, dome-shaped pendant lights hang from the ceiling. Below them is a dark, sleek counter with various fixtures, including what appears to be a coffee machine and a sink. A staircase with a glass railing is visible on the right side of the image.

"The human experience was considered first and foremost in this project, the interior fit-out of the Central Bank of Ireland in Dublin. As **MEDITE PREMIER FR** was developed specifically for use in fire rated applications, it was a must for an extremely high specification project such as this one."

Fergal Costello,  
Marketing Manager at Woodfit Acoustics



## Utilitarian chic

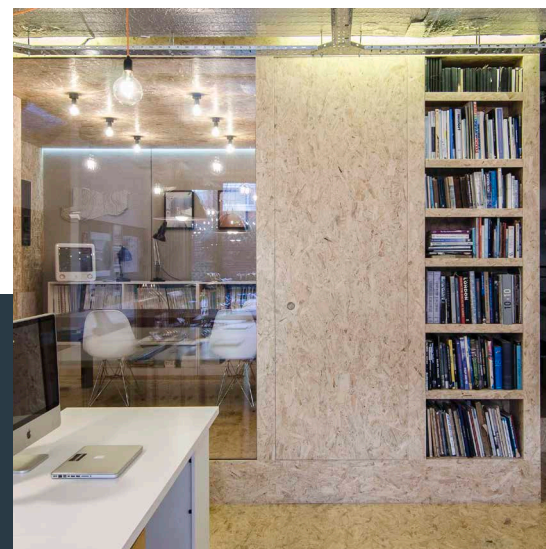
Creating a simple, uncluttered space with a utilitarian texture was the goal for the re-design of Hanson Architects' office space. After discovering **SMARTPLY MAX** (OSB3) at a RIBA Roadshow, the practice was impressed that the boards are manufactured from FSC® certified timber and have fewer issues with formaldehyde than standard OSB.

When it came to the re-design of Hanson's office, the practice wanted to make use of a material that reflected its own identity. So, exposed **SMARTPLY MAX** boards were used throughout the design for both their visual impact and structural performance.

"We wanted to use a single material for the walls, floor and even the doors to create a seamless plane of OSB when the meeting room door was closed," said Andrew Hanson, Director of Hanson Architects. "We included no door frames or metal handles to enhance that homogenous yet tasteful and functional impression."

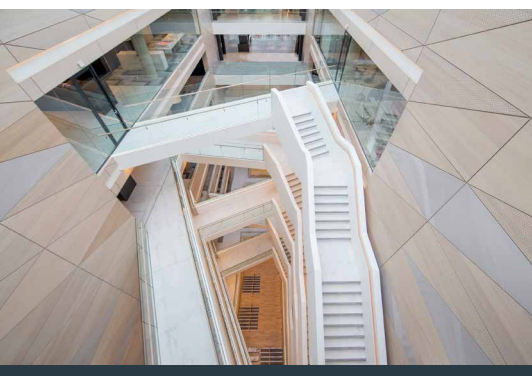
With outstanding environmental standards, **SMARTPLY MAX** provides both durability and formidable load-bearing qualities, making them ideal for a wide variety of applications such as flooring and wall sheathing.

Not only does **SMARTPLY MAX** give an appealing modern finish to interiors, but it can also help create healthier interior environments given that it is manufactured with no added formaldehyde.



# IT'S ALL GO WITH MEDITE SMARTPLY

Ireland's most iconic new building, the Central Bank of Ireland on the banks of the River Liffey, was recently renovated, to breathe new life as Ireland's first ever BREEAM "Outstanding" rated building.



Architects Henry J Lyons achieved this by designing the large sweeping interiors to be as user friendly as possible for the Bank's staff, by specifying acoustic wood panels from Woodfit Acoustics, made from **MEDITE PREMIER FR**. This MDF board from **MEDITE SMARTPLY** is flame retardant for safe use in public buildings and is produced using FSC® certified timber to CARB2 standards; all the essentials to

make this board suitable for the Bank's new interior.

In doing this, the building is reaffirmed as a symbol of wellbeing by offering it to those whose workplace it is. The modern interior is conducive to comfort and productivity through use of natural light, safe, natural materials and acoustic performance.

Supplied by Noyeks, Woodfit provided the custom-made acoustic systems and non-acoustic panelling throughout, using veneered **MEDITE PREMIER FR**, variously finished for use in different areas. The finished panels range from ebonised slat ceilings and slat walls, custom white washed perforated panelling which extends seven storeys high, and perforated oak ceiling tiles throughout the work areas.

"Acoustics are extremely important in a big open building such as this one, to reduce reverberation while not restricting air circulation," said Fergal Costello, Marketing Manager at Woodfit Acoustics.

"We feel a strong responsibility to meet the need for acoustic panels made from sustainably produced materials. Working with MDF in particular, as it's made from timber

thinnings, ensures there is less timber wastage, and allows us in the timber industry to be a lot more efficient and environmentally friendly at the same time."

"We have been a long-time customer of **MEDITE SMARTPLY** for the reason that their products are trustworthy and high quality. **MEDITE PREMIER FR** is very dense, yet cuts extremely cleanly; the sign of a high-quality board."



Recognised  
as a suitable  
alternative  
to plywood

**MEDITE MDF** boards feature no knots or inconsistencies.



Our boards  
have the  
flexibility to  
meet all your  
requirements

With two extensive ranges with boards for use across the construction spectrum, we can find your solution.



In line with  
safety task  
FIS (Finishes  
& Interiors  
Sector)  
guidelines

The health and safety of our customers is paramount.

[www.thefis.org](http://www.thefis.org)

# MEDITE AND SMARTPLY

## FINDING THE PERFECT FIT

With no fewer than six **MEDITE MDF** and three **SMARTPLY OSB** solutions that cater to the Fit-Out sector, **MEDITE SMARTPLY** has one of the largest ranges of specialist wood boards for use in a diverse range of applications.

As timber board manufacturers who pride ourselves on innovation and catering to the needs of those who will actually use our products, you won't ever find a **MEDITE SMARTPLY** board that only does one thing. While each

has its specialisation, be it moisture resistance or a superior reaction to fire, we understand that other qualities, while they may not be front line, are also extremely important and necessary.

Use the table below to clearly see which properties each product holds, and find their full specification sheet further on in the brochure.

### Applications

PRODUCT	Moisture Resistance	Fire Retardance	No Added Formaldehyde	CARB2 Compliant	Structurally Sound/ Weightbearing
MEDITE CLEAR			●	●	
MEDITE FR CLEAR		●	●	●	
MEDITE MR	●			●	
MTX	● ● ●		●	●	
MEDITE PREMIER				●	
MEDITE PREMIER FR		●		●	
SMARTPLY MAX FR		●	●		●
SMARTPLY PATRESS PLUS			●		●
SMARTPLY ULTIMA			●		●

Kitchens, bathrooms  
and other 'wet' areas



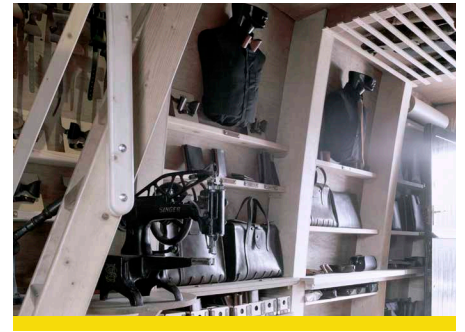
Infinitus Bespoke Interiors  
London Apartment Refurbishment  
**MEDITE MR | MEDITE MTX**

Schools, museums and  
medical practices



Stephen Perse Foundation School,  
Cambridge  
**MEDITE PREMIER FR**

Residential, hospitality  
and retail



Garvan Debruir  
Workshop and Showroom  
**SMARTPLY MAX**



Paul Newman Landscapes  
Roof Terrace BBQ  
**MEDITE MTX**



House of Heroes Children's Hospital,  
Sweden  
**MEDITE MTX**



Woodfit Acoustics  
Central Bank of Ireland  
**MEDITE PREMIER FR**



Richard Baker Furniture  
Kitchen Design  
**MEDITE MR**



Tipperary Museum, Dublin  
**MEDITE CLEAR**



K&D Joinery  
Eccleston Place Shopfronts, London  
**MEDITE MTX**

# MEDITE CLEAR SPECIFICATION



**MEDITE CLEAR** is an MDF panel with no added formaldehyde, developed specifically for use in environmentally sensitive interior applications, where formaldehyde emissions need to be kept to the minimum. Developed at **MEDITE's** world class MDF facility in Clonmel, **MEDITE CLEAR** broadens the range of the **MEDITE** family of high performance MDF products.

**MEDITE CLEAR** is an MDF panel manufactured with no added formaldehyde. It has been developed specifically for use in environmentally sensitive interior applications, where formaldehyde emissions need to be kept to the minimum.

**MEDITE CLEAR** can be produced in a range of panel thicknesses (1220mm x 2440mm). Please choose from the panel sizes and thickness tab; other dimensions and thicknesses are available on request.

## Features/ Benefits:

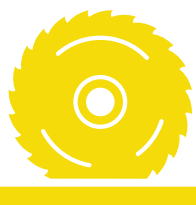
- FSC Certified.
- No Added Formaldehyde.
- Smooth Surface.
- Excellent Machining Qualities.
- Contributes To Healthier Environments.
- Consistent Quality.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	9mm	12mm	18mm
Standard Sizes	1220 x 2440	1220 x 2440	1220 x 2440

## Suitability

**MEDITE CLEAR** is suitable for use in non-structural applications. It is ideal for cabinets, display cases, furniture, fixtures and mouldings designed for environmentally sensitive areas such as museums, laboratories, art galleries, nursing homes, hospitals, nurseries and schools.



**Excellent  
machining  
qualities**

Densely packed to cut extremely cleanly.



**Healthier  
environments**

Developed for use in extremely sensitive applications where VOCs must be minimised.



**No added  
formaldehyde**

No formaldehyde manufacturing process ensures only naturally occurring formaldehyde.

# MEDITE FR CLEAR SPECIFICATION



**MEDITE FR CLEAR** is an MDF panel developed specifically for use in environmentally sensitive, fire rated interior applications where formaldehyde emissions need to be kept to a minimum but where a Euroclass B flame retardant board is also required under building regulations.

**MEDITE FR CLEAR Euroclass B** is a panel product suitable for use as wall linings, partitions, ceiling tiles, display panels and cases, furniture and fixings within an environmentally sensitive area such as museums, laboratories, hospitals and all public buildings. MEDITE FR CLEAR Euroclass B is not suitable for external or structural applications, or

where exposure to water or high relative humidity may be encountered. MEDITE FR CLEAR Euroclass B is suitable for use in internal dry conditions as defined in EN 622 – 5. Boards of this type are suitable for use in Hazard Class 1 of EN 335-3.

## Features/ Benefits:

- FSC Certified.
- No Added Formaldehyde.
- Flame Retardant.
- Reaction to fire: D-s2,d0.
- Contributes To Healthier Environments.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	6mm	12mm	18mm
Standard Sizes	1220 x 2440	1220 x 2440	1220 x 2440

## Suitability

**MEDITE FR CLEAR Euroclass B** is suitable for use as wall linings, partitions, ceiling tiles, display panels and cases, furniture and fixings within an environmentally sensitive area such as museums, laboratories, hospitals and all public buildings.



**Flame  
retardant**

For safe use where Euroclass B or C flame retardant board is required.



**Healthier  
environments**

Developed for use in extremely sensitive applications where VOCs must be minimised.



**No added  
formaldehyde**

No formaldehyde manufacturing process ensures only naturally occurring formaldehyde.

# MEDITE MR SPECIFICATION



**MEDITE MR** is a moisture resistant MDF panel designed for use in humid conditions in accordance with MDF.H (Option 1) as defined in EN 622-5 so is ideal for applications such as kitchen and bathroom furniture, window and skirting boards and architectural mouldings.

**MEDITE MR** Moisture Resistant MDF can be produced in a range of panel sizes and thicknesses. Cut to size specifications and other thicknesses are available on request.

**MEDITE MR** is used as a substitute for softwoods and hardwoods and as a panel product in non-stressed applications.

It has been successfully used for kitchen furniture, bathroom furniture, architectural mouldings, skirting boards, architraves, window boards, flooring and general interior joinery.

## Features/ Benefits:

- FSC Certified.
- CARB2 Compliant.
- Moisture Resistant.
- Ideal For Humid Conditions.
- Consistently Smooth Surface.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	Standard Sizes
6mm	1220 x 2440, 1220 x 3050
9mm, 12mm and 15mm	1220 x 2440, 1220 x 3050
16mm	1220 x 2440, 1220 x 3050
18mm	1220 x 2440, 1220 x 3050
22mm	1220 x 2440, 1220 x 3050
25mm	1220 x 2440, 1220 x 3050
30mm	1220 x 2440, 1220 x 3050

## Suitability

**MEDITE MR** is used as a substitute for softwoods and hardwoods and as a panel product in non-stressed applications. It is successfully used for kitchen furniture, bathroom furniture, architectural mouldings, skirting boards, architraves, window boards, flooring and general interior joinery.



**Higher  
moisture  
resistance**

Ideal for use in humid environments.



**Smooth  
surface**

Ideal for painting.



**Ideal for  
humid  
conditions**

Kitchens, bathrooms and areas of variable climate.

# MEDITE MTX SPECIFICATION



**MEDITE TRICOYA EXTREME** Durable MDF is a groundbreaking construction material. The panel exhibits outstanding durability and dimensional stability which allow them to be used in applications once limited to products such as concrete, plastics or metals.

With the added benefits of light weight, sustainable raw materials and a guarantee of up to 50 years above ground and 25 years in ground, this groundbreaking panel provides architects, specifiers and designers with an entirely new construction material, allowing great design flexibility and endless opportunities for creativity.

Using sustainably sourced FSC® timber, **MEDITE TRICOYA EXTREME** is made using a high-performance resin which has no added formaldehyde in its formulation, ensuring the product is suitable for environmentally sensitive areas.

## Features/ Benefits:

- FSC Certified.
- Durable.
- 50 Year Guarantee.
- Enhanced Stability.
- Service Life of 60 Years.
- No Added Formaldehyde.
- Resistant to Fungal Decay.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	4mm, 6mm and 12mm	15mm	16mm	18mm
Standard Sizes	1220 x 2440	1220 x 2440 1220 x 3050	1220 x 2440 1220 x 2745 1220 x 3050	1220 x 2440 1220 x 3050

## Suitability

The potential applications for **MEDITE TRICOYA EXTREME** are far ranging and will inspire creativity and discovery, particularly in environments where humidity and weather are usually concerns. Given the design flexibility of MDF, it is now possible to imagine **MEDITE TRICOYA EXTREME** used virtually anywhere.



**50 year  
guarantee**

Guaranteed for 50 years outdoors above ground.



**Enhanced  
stability**

Exceptional durability and dimensional stability.



**Resistant  
to fungal  
decay**

All organic acetylation process ensures fungal resistance.

# MEDITE PREMIER SPECIFICATION



**MEDITE PREMIER** is a multi-purpose MDF, produced using superior wood refining technology and specially designed resins. Excellent face properties make it suitable for the thinnest laminates and surface coatings as well as a wide range of interior applications.

End-users enjoy consistency of quality and thickness, as well as reduced tool wear. Its weight advantages open up new design possibilities in many applications. **MEDITE PREMIER** can be produced in a range of panel sizes and thicknesses.

Contemporary and reproduction furniture, ready to assemble furniture, children’s toys, shop fitting, shelving and many other domestic and commercial applications.

## Features/ Benefits:

- FSC Certified.
- Smooth Surface.
- Excellent Machining Qualities.
- Consistent Quality.
- CARB2 Compliant.
- Consistent Thickness.
- Suitable For LEED And BREEAM Projects.

## Suitability

The range of product applications for **MEDITE PREMIER MDF** includes contemporary and reproduction furniture, children’s toys, snooker tables, shopfitting, hi-fi speaker cabinets and doors.

## Thicknesses and sizes

Available Thicknesses	Standard Sizes
3mm, 4mm and 6mm	1220 x 2440, 1220 x 2745, 1220 x 3050
9mm, 12mm and 15mm	1220 x 2440, 1220 x 2745, 1220 x 3050
16mm	1220 x 2440, 1220 x 3050
18mm	1220 x 2440, 1220 x 2745, 1220 x 3050, 1525 x 2745, 1525 x 3050
19mm	1525 x 2745
22mm	1220 x 2440, 1220 x 3050, 1525 x 2440, 1525 x 2745
25mm	1220 x 2440, 1220 x 2745, 1220 x 3050, 1525 x 2440, 1525 x 2745, 1525 x 3050
30mm	1220 x 2440, 1220 x 2745, 1220 x 3050, 1525 x 2745
32mm and 36mm	1220 x 2440
38mm	1220 x 2440, 1220 x 3050



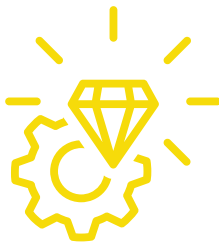
Smooth  
surface

Ideal for painting.



Excellent  
machining  
qualities

Densely packed to  
cut extremely cleanly.



Consistent  
quality and  
thickness

Setting the standard for MDF.

# MEDITE PREMIER FR SPECIFICATION



**MEDITE PREMIER FR (Flame Retardant)** Euroclass B & C are MDF panels developed specifically for use in situations where a Euroclass B or a Euroclass C flame retardant board is required under building regulations.

**MEDITE PREMIER FR** MDF is available in a range of panels, sizes and thicknesses. Other thicknesses and panel sizes can be made by special request.

Developed at **MEDITE's** world class MDF facility in Clonmel, **MEDITE PREMIER FR** broadens the range of the **MEDITE** family of high performance MDF products.

## Features/ Benefits:

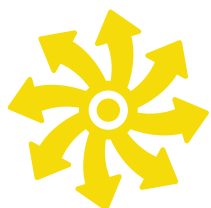
- FSC Certified.
- CARB2 Compliant.
- Versatile.
- Smooth Surface.
- Flame Retardant.
- Reaction to fire: B-s1,d0 / C-s2,d0.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	Standard Sizes
4mm	1220 x 2745
6mm, 9mm	1220 x 2440, 1220 x 3050
12mm	1220 x 2440, 1220 x 3050
15mm	1220 x 2440, 1220 x 3050
18mm	1220 x 2440, 1220 x 3050
25mm	1220 x 3050

## Suitability

**MEDITE PREMIER FR** panel products are suitable for use as wall linings, partitions, display panels, ceilings etc. Typical installations are: hotel foyers, offices, public libraries, schools, cinemas and other public buildings. **MEDITE PREMIER FR** has been certified for use in fire retardant partition systems.



### Versatile

Suitable for a wide range of applications, offering quality and peace of mind.



### Smooth surface

Ideal for painting.



### Flame retardant

For safe use where Euroclass B or C flame retardant board is required.

# SMARTPLY MAX FR SPECIFICATION



**SMARTPLY MAX FR** is a structural, moisture resistant OSB3 panel with reliable reaction to fire properties.

Ideal for use where strength, moisture resistance and Euroclass C or Euroclass B flame retardance are paramount, the OSB3 panel complies with the European reaction to fire class C-s2,d0; and BFL-s1.

**SMARTPLY MAX FR** offers the same quality and structural strength as all OSB3 manufactured by **SMARTPLY** in

accordance with the requirements of European Standards EN 300 and EN 13986.

Added during panel production, Zeroignition® Solution – a water-based and eco-friendly fire retardant penetrates the wood strands to ensure comprehensive and reliable reaction to fire performance whilst fully maintaining structural integrity.

## Features/ Benefits:

- FSC® Certified Timber.
- Flame Retardant.
- Easy To Cut And Install.
- High Racking Strength.
- No Added Formaldehyde.
- CE Certification.
- 100% Wood Based.
- Sustainable.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	15mm	18mm
Standard Sizes	1197 x 2397	1197 x 2397*

\*other dimensions available and T&G

## Suitability

**SMARTPLY MAX FR** is suitable for a wide variety of applications where a predictable reaction to fire class is the highest priority as required by Building Regulations or health & safety legislation.



**Flame  
retardancy  
built-in**

Individual wood chips treated before manufacture into each board making flame retardancy integral.



**Easy to cut  
and install**

Densely packed to cut extremely cleanly.



**Sustainable**

Manufactured from fast growing pine and spruce from FSC® certified forests.

# SMARTPLY PATTRESS PLUS SPECIFICATION



**SMARTPLY PATTRESS PLUS** is an engineered OSB3 panel incorporating a continuous recess, designed to accommodate 'C' shaped metal studs used in the construction of plasterboard partitions.

**SMARTPLY PATTRESS PLUS** is tested to the relevant sections of BS 5234-2 demonstrating high pull out strength, and meets the severe heavy duty rating for pattering. It is suitable for use in public access areas including corridors and stairwells, contributing to higher levels of impact

resistance. It has no added formaldehyde and therefore may also be useful in environmentally sensitive interior applications where formaldehyde emissions need to be kept to a minimum such as hospitals, laboratories, museums and schools.

## Features/ Benefits:


- Ready prepared modular panels.
- Fully certified alternative to plywood.
- No added formaldehyde.
- Provides secure anchorage for fixtures and fitting as tested to BS 5234-2.
- Versatile.
- Solid core.
- Does not add to finished partition thickness.
- Provides a robust partition structure.
- Manufactured from FSC® timber from **MEDITE SMARTPLY'S** own forests-assured supply of sustainable raw material.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	15mm	18mm
Standard Sizes	397 x 1250, 397 x 2397 597 x 1250, 597 x 2397	397 x 1250, 397 x 2397 597 x 1250, 597 x 2397


## Suitability

**SMARTPLY PATTRESS PLUS** is designed for use in non-structural metal frame drywall partition applications where the in-service climatic conditions and ambient relative humidity (RH) levels are similar to those expected in dry, sheltered construction environments.



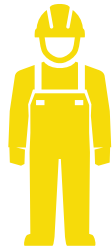
**Pre-cut and pre-rebated off-site**

Delivered to your project ready to use, saving time and labour.



**Fits perfectly between the stud wall**

All available sizes correspond with leading plasterboard partition specifications.



**Two sizes and thicknesses available, allowing a safe one-person lift**

Two sizes and thicknesses available for adaptability.

# SMARTPLY ULTIMA SPECIFICATION



**SMARTPLY ULTIMA** is an extremely high-performance engineered wood panel (OSB4) suitable for the most demanding structural applications including in offsite manufacturing and construction.

**SMARTPLY ULTIMA** is manufactured using state of the art ContiRoll® technology consisting of moisture resistant and formaldehyde-free bonding of wood strands, precision strand orientation and continuous pressing to produce large panels up to 2.8m wide by 7.5m long and to a maximum thickness of 40mm.

It is a cost-effective alternative in humid and high-load structural applications when compared to a similar performing exterior structural plywood.

## Features/ Benefits:

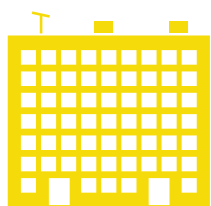
- FSC® Certified.
- A highly engineered OSB4 panel.
- Ideal for timber frame and construction projects with large spans.
- High load-bearing capacity.
- Enhanced moisture resistance compared to OSB3.
- Improved rigidity.
- Suitable For LEED And BREEAM Projects.

## Thicknesses and sizes

Available Thicknesses	18mm	22mm
Standard Sizes	1220 x 2440 1250 x 2500	1197 x 2397

## Suitability

**SMARTPLY ULTIMA** is for use in demanding structural applications such as: offsite construction systems, commercial and industrial buildings and site-based timberframe construction.



**Suitable for demanding structural applications**

Ideal for timber frame and construction projects with large spans.



**Higher moisture resistance**

Improved for superior quality and versatility.



**High load-bearing capacity**

For the ultimate in structural applications.



To request a sample, visit:  
[www.mdfosb.com/smartply/request-samples](http://www.mdfosb.com/smartply/request-samples)

To find out how we are setting new standards  
in timber panel engineering, go to:  
[www.mdfosb.com/fit-out](http://www.mdfosb.com/fit-out)

**Let's do the right thing!**



**MEDITE®**  
**SMARTPLY®**   
INNOVATIVE TIMBER PRODUCTS