

# SMARTPLY® MAX MULTI

SMARTPLY MAX MULTI is a coated  
MULTI PURPOSE OSB panel.

Manufactured in accordance with  
EN 300 performance standard, it is ideal  
for furniture, packaging, pallet tops,  
garden sheds, boarding up, van fit-outs  
and other similar applications.

# SMARTPLY® MAX MULTI

## SUITABILITY

EN 300 classifies OSB panels by their properties which relate to their intended use. SMARTPLY MAX MULTI is classified as follows:

- OSB3 - load bearing panel for use in humid conditions

Structures comprising SMARTPLY MAX MULTI should be assigned to service class 1 or 2 as defined in EN 1995-1-1 (Eurocode 5). According to this standard, SMARTPLY MAX MULTI is suitable for use in both of these service classes.

SMARTPLY MAX MULTI is an OSB3 panel which has been coated on 1 face and all edges. The face and edges of the panel have been coated with a 2 layer system, made up of a water based primer and an exterior grade acrylic topcoat, which offers added protection and durability to the panel.

Manufactured on the state of the art Contiroll OSB production line SMARTPLY MAX is a structural panel that can be used for many applications:

- Boarding up
- Agricultural buildings
- Shed lining
- Packing cases
- Pallet tops
- Portable buildings
- Sign boards
- Shop fittings and displays
- Exhibition construction
- General site uses

## SMARTPLY MAX MULTI - ZERO ADDED FORMALDEHYDE

SMARTPLY MAX MULTI is manufactured using advanced resin technology that results in a high performance, zero added formaldehyde panel.

This specialist resin formulation provides a supreme bond with the wood strands as it has a reaction with the wood itself, when put under intense heat, creating a chemical weld. This is a different and superior type of bond to the mechanical weld that formaldehyde-based products exhibit. Depth of penetration is well beyond the minimum 0.3 mm needed for a wood resin to provide adequate adhesive strength. This extra resin penetration also greatly improves the wood's resistance to thickness swell.

## TRANSPORTATION, STORAGE & HANDLING

Careful transportation, storage and handling are important to maintain panels in their correct condition for use. Precautions must be taken during storage, prior to delivery and on site to minimise changes in moisture content of the OSB panels due to weather.

Panels must be stored on dry bases, and packs must be evenly supported on bearers with spacer sticks at regular intervals (depending on panel thickness but max 600mm).

Packs should be sheeted with tarpaulins or other impervious material so arranged to give full cover, but at the same time to permit free passage of air around and through the pack. Care must be taken not to deform stacked panels. Bands should be cut as soon as practical and safe to avoid permanently deforming the panels. During transport and handling it is particularly important to protect edges and corners with suitable coverings to prevent damage from chafing or slings. Where the panels are required to have low moisture contents, it might not be possible to maintain suitable conditions on site other than for short periods, and deliveries must be arranged accordingly.



## PERFORMANCE

The mechanical, physical and structural properties of SMARTPLY MAX MULTI can be taken from SMARTPLY MAX datasheet.

For added performance in exterior or wet conditions, in non-structural applications, it is recommended to fully seal the panel edges with exterior graded paints or by using water resistant products. The application of exterior rated wood glues can also be used for sealing the panel edges.

When used in exterior applications it is also recommended to seal all fixing points that may have perforated the coated surface. In the event of water exposure, the panel may experience surface degradation (coating cracking or flaking) and swelling will impact the long-term performance of the panel.

SMARTPLY MAX MULTI is suitable for short-term exterior applications. For more demanding or prolonged exterior applications and where a superior quality finish is required, it is recommended to choose from the SMARTPLY SITE PROTECT product range.

## FIXING

When fixing to timber, the minimum fixing length should be 50mm or 2.5 times the panel thickness, whichever is greater, and should be inserted at least 8mm from the panel edges.

When used in exterior applications the panels should be fixed using corrosion resistant nails or screws, it is also recommended to seal all fixing points that may have perforated the coated surface.

## QUALITY & ENVIRONMENTAL CERTIFICATION

SMARTPLY OSB is manufactured in accordance with the requirements of EN 300: Oriented Strand Boards (OSB) – definitions, classification and specifications.

SMARTPLY OSB is CE marked in accordance with the harmonised standard EN 13986: Wood-based panels for use in construction – characteristics, evaluation of conformity and marking. This standard is a technical specification for wood-based panels which implements the provisions of the Construction Products Regulation (CPR). In addition to the CE mark, SMARTPLY OSB panels are marked 2+ Structural for ease of reference.

SMARTPLY MAX is certified by the British Board of Agrément (BBA) and the Irish Agrément Board (IAB). Due to this certification it is permitted for structural use by NHBC (UK) and Homebond (Ireland) when used in accordance with the requirements of the Building Regulations in the country of use.

SMARTPLY has achieved I.S. EN ISO 9001, the internationally recognised quality management system which is certified by the National Standards Authority of Ireland (NSAI).

SMARTPLY has Forest Stewardship Council (FSC) Chain of Custody certification for its manufacturing, processing, sales and distribution processes.

SMARTPLY operates under an Integrated Pollution Prevention Control (IPPC) licence, which is monitored by the Environmental Protection Agency (EPA) in Ireland.

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## SERVICE

For further information and/or technical advice please contact your local SMARTPLY Sales Representative or SMARTPLY Technical Support Personnel through any of our European offices.

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As we continually update our technical datasheets, please check on [www.mdfosb.com](http://www.mdfosb.com) that you have the latest version.

This technical data sheet is provided for information purposes only and no liability or responsibility of any kind is accepted by SMARTPLY EUROPE DAC or their representatives. SMARTPLY EUROPE DAC have used reasonable efforts to verify the accuracy of any advise, recommendation or information. SMARTPLY EUROPE DAC reserves the right to alteration of its products, production information and range without notice.

## IMPORTANT NOTES

The recommendations provided in this technical data sheet for the correct use of SMARTPLY MAX MULTI are specifically designed to ensure longevity and performance of this quality product in service. It is therefore essential that these recommendations are strictly followed.

The product is designed to be installed by a competent general builder or contractor, experienced with this type of product, in strict accordance with the technical guidance provided in the relevant SMARTPLY product technical data sheets.

SMARTPLY EUROPE DAC cannot be held responsible for damages arising from non-adherence to these recommendations, or product failures resulting from inadequate structural design or misuse of this product.

In order to provide comprehensive guidance for the correct use of SMARTPLY MAX MULTI, this technical datasheet makes reference to relevant BS and EN standards. SMARTPLY EUROPE DAC cannot be held responsible for claims arising from the use of any information that has been extracted from such sources.



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