# SMARTPLY®
## MAX FR B

SMARTPLY MAX FR B Flame Retardant panel is a structural, moisture resistant OSB/3 panel with outstanding and reliable reaction to fire properties. Ideal for use where strength, moisture resistance and improved flame retardance are paramount. SMARTPLY MAX FR B achieves a Reaction to Fire Classification of B-s2, d0, and $B_{fl}$-s1 (flooring) in accordance with EN13501-1.

SMARTPLY MAX FR B is CE certified according to EN 13986 and meets the requirements for load-bearing panels for use in humid conditions (Type OSB/3) as defined in EN 300 and Eurocode 5.

### FEATURES AND BENEFITS

- Reaction to fire classification (Euroclass) of B-s2, d0 and $B_{fl}$-s1 (flooring).

- CPR Compliant – CE Marked in accordance with EN13986 at point of manufacture unlike post-treated alternatives.

- Flame retardant treatment of wood strands during manufacture.

- No Added Formaldehyde (NAF) or any harmful substances – contributing to healthier environments.

- Reduces fire spread and improves fire protection during construction.

- High racking strength – suitable for structural use OSB/3 (EN 300).

- Light weight and easy to cut and fix compared to mineral-based panels which can crack and shatter.

- Manufactured using FSC® certified timber from our own forests.

- Climate Positive – more carbon is stored in the product than was emitted during manufacturing processes (A1-A3). Independently verified Environmental Product Declaration (EPD) available on request.

### APPLICATIONS

A truly innovative wood-based panel, it is independently certified for the most demanding structural applications in permanent constructions (wall sheathing, flooring and roofing), as well as general free-standing applications where enhanced reaction to fire performance is required, for example:

- Timber frame construction

- Fire protection during construction – see STA FR Build section on page 2

- Light Gauge Steel and modular construction systems

- Site security hoarding

- Furniture, shop fitting and general joinery

- Exhibition stands, film sets, stage construction.

www.mdfosb.com

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DEFINING THE STANDARD OF OSB

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### SMARTPLY MAX FR B DIMENSIONS AND THICKNESSES (MM)

| Thicknesses (mm) | Dimensions (mm) | Edge Detail | Fire Classification | Flooring |
|---|---|---|---|---|
| 11 | 2397 X 1197 | Square edge | B-s2, d0 | $B_{fl} - s1$ |
| 15 | 2397 X 1197 | Square edge | B-s2, d0 | $B_{fl} - s1$ |
| 15 | 2397 X 1200 | 2-Sided T&G | B-s2, d0 | $B_{fl} - s1$ |
| 18 | 2397 X 1197 | Square edge | B-s2, d0 | $B_{fl} - s1$ |
| 18 | 2397 X 1200 | 2-Sided T&G | B-s2, d0 | $B_{fl} - s1$ |

Other sizes and thicknesses available upon request.

Please refer to SMARTPLY MAX (OSB/3) technical datasheets for additional product properties and usage guidelines for wall sheathing, flooring and roofing. All technical datasheets and usage guidelines are available at **www.mdfosb.com**

### TESTING AND CLASSIFICATION OF REACTION TO FIRE

SMARTPLY MAX FR B has been tested to:

* EN 13823 (Single Burning Item test)
* EN ISO 11925-2 (Single-flame Ignitability test)
* EN ISO 9239-1 (Radiant Heat test – for flooring).

and achieves a classification for construction products of B-s2, d0 and $B_{fl}$-s1 (flooring) in relation to its reaction to fire behavior in accordance with EN 13501-1:2018.

SMARTPLY MAX FR classified as Euroclass B satisfies all the requirements for the lower reaction to fire of Euroclass C.

### COMPLIANCE WITH THE CONSTRUCTION PRODUCTS REGULATION

EN 300 classifies OSB panels by their properties which relate to their intended use. SMARTPLY MAX FR B is a structural OSB/3 panel that is manufactured in accordance with EN 300. The product is CE marked at the source of manufacture in accordance with the harmonised standard EN 13986 to demonstrate suitability for structural use in permanent constructions and in humid conditions (Service Class 2 defined by Eurocode 5) and is therefore fully compliant with the Construction Products Regulation (CPR) and EU law.

### QUALITY ASSURANCE – IMPORTANT NOTE TO SPECIFIERS

SMARTPLY EUROPE DAC are members of the Wood Protection Association (WPA). We have ISO 9001 certification for our manufacturing process and product compliance is certified by independent audits under the WPA Benchmark quality assurance scheme for flame retardant treated wood. For products complying with European standards harmonised under the Construction Products Regulation (CPR) we use an independent Notified Body. Copies of Declaration of Performance (DoP), Fire classification reports and Certificates of constancy of performance including the CE mark are available on request.

### STA FR BUILD APPLICATIONS

SMARTPLY MAX FR B is approved for 'FR Build' applications under the STA (Structural Timber Association) "Design guide to separating distances during construction for timber frame buildings". This requirement is only relevant to the UK and the test methods and approval regime are different to those used for the Euroclass system (EN 13501-1). FR Build products must therefore be specified according to the relevant STA standard for a building project in the UK. For detailed information on FR BUILD specifications, please refer to SMARTPLY MAX FR/FR BUILD Technical datasheet at **www.mdfosb.com**

### CONTACT US

For further information and/or technical advice please contact your local MEDITE 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** that you have the latest version.

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