

## SmartPly ToughPly

SmartPly ToughPly is a fully certified legal and sustainable OSB3 alternative to plywood, suitable for a whole range of building applications. ToughPly is a double sided pre-coated OSB3 panel that is CE compliant for use in both structural and non-structural situations. ToughPly boards are sanded and finished on both sides; the coating requires no further surface preparation and can be painted directly, saving considerable time onsite.



### Quality and 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) formerly the Construction Products Directive (CPD). In addition to the CE mark, SmartPly OSB panels are marked 2+ Structural for ease of reference.

SmartPly OSB3 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 the 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 9001:2008, 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.

All SmartPly OSB3 products are manufactured using formaldehyde-free resin.

**Suitability:** EN 300 classifies OSB panels by their properties which relate to their intended use. SmartPly OSB3 is classified as a load-bearing panel for use in humid conditions.

Structures comprising SmartPly OSB3 should be assigned to service class 1 or 2 as defined in EN 1995-1-1 (Eurocode 5). According to this standard, SmartPly OSB3 is suitable for use in both of these service classes.

According to EN 300, SmartPly OSB3 is suitable for use in Use classes 1 and 2 of EN 335. Furthermore, SmartPly's innovative ToughPly is suitable for use as hoarding in Use class 3 of EN 335.

**Specification and Design:** As design values can vary between manufacturers, it is important to ensure that the SmartPly OSB3 panels specified by the designer are those used on site. All SmartPly panels are clearly marked with the following information:

- (a) Production identification number
- (b) CE marking
  - i. Manufacturer's name / Logo (SmartPly)
  - ii. Notified body identification number
  - iii. Quality standard (EN 300, EN 13986)
  - iv. Panel type (e.g. OSB3)
  - v. Thickness (e.g. 18mm)
  - vi. Formaldehyde class (e.g. E1)
- (c) Additional marking for ease of reference (e.g. 2+ structural)
- (d) FSC certification

Note: Markings may vary depending on product type.

#### **SmartPly OSB3 - Zero added formaldehyde:**

SmartPly OSB3 is manufactured using advanced resin technology that results in a high performance, zero added formaldehyde panel that scores highly in 'The Green Guide to Specification'.

For structural design and mechanical and physical properties of ToughPly, please see datasheet for OSB3.

For painting guidelines, please see SiteProtect and SiteProtect Plus datasheet.

For installation, please refer to the online datasheets that explain Use - Roof, Floor, Frame.

Important notes: The recommendations provided in this Technical Data Sheet for the correct use of SmartPly ToughPly panels 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 a contractor, experienced with this type of product. SmartPly Europe Ltd 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.

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: +44 (0) 1322 424900  
+31 (0) 475 399740 + 353 (0) 51 832700

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

**SmartPly**<sup>®</sup>  
The Smart OSB Answer  to Plywood

