

# **SMARTPLY®**

## **SITEPROTECT / SITEPROTECT PLUS**

SMARTPLY SITEPROTECT is a highly engineered and improved moisture resistant OSB/3 primed panel specifically designed to save both time and money in the most demanding hoarding applications.

The substrate is coated with a smooth, heavy duty, cross-linked polymer primer making it ideal for use in a wide range of applications from temporary hoarding through to long-lasting site security installations.

Now, to meet demand for a doubled sided board, there is also SITEPROTECT PLUS.

This OSB/3 panel is coated with the primer on both sides, making it ideal for premium applications in those high profile locations.

SMARTPLY SITEPROTECT is manufactured using only FSC® certified timber and is therefore perfect for maintaining sustainability throughout your entire site.

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### 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). In addition to the CE mark,

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.

All SMARTPLY OSB/3 products are manufactured using formaldehyde-free resin.



### SUITABILITY

As with all site hoarding panels, the performance of the SMARTPLY SITEPROTECT range will depend on the time and severity of exposure to the elements. Slight distortion and degradation of the panel (edge swelling, flake lifting) may occur as a result of extreme exposure and site workmanship. Therefore, to obtain the optimum performance and life expectancy of the product; good specification, planning and workmanship is required in the following three areas:

**1 Hoarding frame design and erection:** A well-designed and properly erected timber hoarding frame is essential to provide the required support and fixings for the SITEPROTECT panels. A 'post and rail' frame with three horizontal rails is most commonly used, although SMARTPLY recommends four rails for optimum performance.

SMARTPLY recommends that the hoarding supporting structure should be designed in accordance with the guidance detailed in the Temporary Works forum (TWf) "HOARDINGS – A guide to good practice".

**2 Fixing of panels:** The type of fixings and their method of driving are critical to the performance of the SITEPROTECT range. Not only are the fixings required to hold the panels rigidly onto the hoarding frame, they are essential in maintaining a high-quality surface finish when the hoarding is painted on site.

**3 Paint system and finish:** SITEPROTECT panels are supplied with a primed face and primed edges, which removes the need to prime, thus resulting in significant cost savings. SITE PROTECT requires to be finished (painted) for optimum results and to avoid premature degradation of the panel and of the primer coating.

Detailed guidance on the erection, fixing and painting of the panels is provided in the 'Finishing/painting' and 'Installation' section of this Technical Datasheet.

## PRODUCT DETAILS

SITEPROTECT is manufactured by SMARTPLY by coating a moisture resistant OSB/3 panel with UV curable coatings for efficiency and optimum product performance.

Four coats of UV primer are applied on the panel surface after a light sand is provided to the panel surface for improved adhesion of the coating. The holes or gaps in the OSB surface are filled with 2 coats of clear UV primer, and then 2 pigmented layers are applied providing the grey colour surface.

The flakes of OSB can be slightly visible through the 4 layers of coating. While every effort is made to provide a fully sealed surface with every holes or gap filled, some small surface defects or uncoated holes can occur. These defects should be painted as the surface or can be filled using a wood filler prior to painting.

SITEPROTECT surface is primed with a UV cured paint to provide a suitable surface for painting.

## SPECIFICATION AND DESIGN

It is important to ensure that the SMARTPLY SITEPROTECT panels specified by the designer are those used on site. SMARTPLY SITEPROTECT panels are clearly marked with the following information:

- a** SMARTPLY logo
- b** Product name - SITEPROTECT
- c** CE marking
  - i.** CE logo
  - ii.** Notified body identification number
  - iii.** Declaration of performance number
  - iv.** Quality standard (EN 13986)
  - v.** Panel type OSB/3
  - vi.** Thickness 16mm or 18mm
  - vii.** Formaldehyde class (eg E1)
- d** FSC® certification

The standard SMARTPLY SITEPROTECT range is available in 2440 x 1220mm wide panels. Panels up to 3050mm long are available on request. Panels are 16 or 18mm thickness.



## TRANSPORTATION, STORAGE AND HANDLING

Careful transportation, storage and handling are important to maintain panels in optimum condition prior to use.

- 1** Panels should be stacked flat and supported upon a minimum of three equally spaced bearers (full packs come with bearers already attached).
- 2** Panels should never be stacked on their edges otherwise panel distortion and damage to the edge coating may result.
- 3** Although the SMARTPLY SITEPROTECT range is designed and manufactured for external use it is still necessary to protect the panels from the elements during storage, to avoid damage to the face and edge coatings. All packs leaving the factory are protected by a polythene wrapping and have bearers strapped to the undersides. Re-use polythene wrapping to provide weather protection to open packs during erection or site delays.
- 4** When transporting the SMARTPLY SITEPROTECT range in less than full pack quantities, panels must be adequately covered and banded (ensuring edge protectors are used top and bottom to avoid damage by the bands).
- 5** Do not leave packs or panels exposed to the weather prior to erection.
- 6** Do not allow water to pool on the surface of open packs or panels during erection.

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### FINISHING / PAINTING:

For best performance and longevity, it is recommended to apply the finishing paint on SITEPROTECT in a clean and dry environment.

SMARTPLY recommends that high quality and tested exterior paints from reputable manufacturers are used. Due to the variety of paint systems the supplier or manufacturer should be consulted for optimum paint type.

### INSTALLATION

To obtain the optimum performance and life expectancy of the SMARTPLY SITEPROTECT range, the product must be installed as follows:

Prior to erecting SITEPROTECT panels, ensure that the timber hoarding frame has been constructed to a suitable specification that provides adequate support for panel edges and fixings as described in the 'Suitability' section of this technical datasheet (this will prevent panel distortion).

1. Ensure panels in the SMARTPLY SITEPROTECT range are erected a minimum of 50mm above soil and well clear of any low-lying water.
2. Provide a minimum 3mm expansion gap between panels when erecting on to the timber framing (we recommend joint strips to provide extra protection).
3. Provide a minimum 10mm expansion gap where panels abut walls and other solid surfaces (we recommend a joint strip to provide extra protection).
4. Fix panels to supporting timber framing with 50mm screws ensuring these are spaced at between 200 – 300mm centres. Standard corrosion resistant wood screws can be used, all screw heads should be painted over with a liberal application of the surface paint.  
  
\* If the screw heads are mistakenly driven below the panel surface, the screw holes must be filled with a quality exterior grade flexible wood filler, allowed to dry, and then painted over with a liberal application of the surface paint.
5. Fix joint strips, top and bottom skirting and top capping, taking care not to damage the panel edges.

### IMPORTANT NOTES

The recommendations provided in this Technical Data Sheet for the correct use of the SMARTPLY SITEPROTECT range 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 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.

### CONTACT US

For further information and/or technical advice please contact your local SMARTPLY Technical Sales Manager 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.

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**SMARTPLY®**   
INNOVATIVE TIMBER PRODUCTS

