DATASHEET

MEDITE® SMARTPLY®
INNOVATIVE TIMBER PRODUCTS

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 **SMARTPLY 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.

AT A GLANCE > SMARTPLY SITEPROTECT:

- PRE-PRIMED OSB/3 BOARD
- SPEEDS UP INSTALLATION OF SITE HOARDING
- READY TO PAINT
- HIGH PERFORMANCE AND DURABLE
- UKCA AND CE MARKED
- NO ADDED FORMALDEHYDE
- FSC® CERTIFIED

www.mdfosb.com

SMARTPLY®
DEFINING THE STANDARD OF OSB

DATASHEET

SMARTPLY® SITEPROTECT / SITEPROTECT PLUS

FEATURES & BENEFITS

- High quality, pre primed OSB panel
- Manufactured from FSC® certified timber
- Ready to paint to speed up installation
- Smooth and consistent quality
- Manufactured using no added formaldehyde resins

SUITABILITY

As with all site hoarding panels, the performance of SITEPROTECT 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. 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 costsavings. SITEPROTECT 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 below.

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.

DATASHEET

SMARTPLY® SITEPROTECT / SITEPROTECT PLUS

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** UKCA marking
  - i. UKCA logo
  - ii. Accredited body
  - iii. DOP number
- **c** FSC® certification (if applicable)
- **d** CE marking
  - i. CE logo
  - ii. Notified body
  - iii. DOP number
- **e** Relevant Standard (EN13986/EN300) and AVCP level (2+ structural)
- **f** Panel grade (OSB/3 - OSB/4)
- **g** Thickness
- **h** Formaldehyde class (eg - E1)
  - i Additional marking:
  - i. Date and time stamp
  - ii. Main axis arrow
  - iii. Product certification (IAB, BBA, WPA, FR BUILD) if applicable

Note: Markings may vary depending on product type.

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.

SIZES

SMARTPLY SITEPROTECT is available in a variety of sizes, with other sizes available on request (minimum order quantity may apply).

Dimensions	Thickness
2440x1220mm	16, 18mm

SMARTPLY® SITEPROTECT / SITEPROTECT PLUS

FINISHING / PAINTING:

For best performance and longevity, it is recommended to apply the finishing paint to SITEPROTECT edges and surface 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 between 200-300mm centres. Standard corrosion resistant woodscrews 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 aquality exterior grade flexible wood filler, allowed to dry, and then painted over with a liberal application of thesurface paint.
5. Fix joint strips, top and bottom skirting and top capping, taking care not to damage the panel edges.

DATASHEET

SMARTPLY® SITEPROTECT / SITEPROTECT PLUS

QUALITY & ENVIRONMENTAL CERTIFICATION

SMARTPLY OSB panels are 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 OSB is UKCA marked in accordance with the designated standard BS EN 13986.

Other quality certification includes KOMO (Netherlands).

SMARTPLY operates under an Integrated Management System (IMS) for Quality (ISO 9001), environment (ISO 14001), Health and Safety (ISO 45001) and Energy (ISO 50001), which is certified by the National Standard Authority of Ireland (NSAI).

All SMARTPLY products are manufactured from Forest Stewardship Council® (FSC®) certified timber.

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

All SMARTPLY products are manufactured using formaldehyde-free resin.

UKCA | FSC www.fsc.org FSC® C020700 The mark of responsible forestry | CE | KOMO® Cert No. 32685

DATASHEET

SMARTPLY® SITEPROTECT / SITEPROTECT PLUS

NO ADDED FORMALDEHYDE

SMARTPLY SITEPROTECT is manufactured using advanced resin technology that results in a high performance, no 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 0.3mm needed for a wood resin to provide adequate adhesive strength. This extra resin penetration also greatly improves the wood's resistance to thickness swell.

EXPLORE OUR SMARTPLY RANGE

For quick reference, see below our table that highlights each product's features and benefits.

PRODUCT	OSB/3	OSB/4*	No added formaldehyde	Available in T&G	Certified Airtight	Low Slip Risk Coating	Pre-cut /Pre-rebated	Primed	Sound Reduction Compliance
SMARTPLY MAX	●		●	●					
SMARTPLY MAX DB	●		●	●					●
SMARTPLY ULTIMA		●	●	●					
SMARTPLY SURE STEP DB	●		●	●	●	●			●
SMARTPLY STRONGDECK		●	●	●					
SMARTPLY AIRTIGHT	●		●		●				
SMARTPLY PATTRESS PLUS	●		●				●		
SMARTPLY SITEPROTECT	●		●					●	

***OSB/4 is approximately 30% stronger and 20% more moisture resistant than OSB/3 making it more suitable for humid and heavy duty load -bearing applications.**

The **SMARTPLY OSB** range offers an innovative range with added benefits. **SMARTPLY PATTRESS PLUS** is designed to provide support for fixtures and fittings in non-structural drywall partitions, making installation quicker and easier.

Find out more.

MEDITE® SMARTPLY®
INNOVATIVE TIMBER PRODUCTS

For further information and/or technical advice please contact our dedicated customer service team.

UK: +44 (0) 1322 424900
Ireland: +35 (0) 3518 10205
France: +33 (0) 9751 89830
Netherlands: +31 (0) 8588 86230
Belgium: +32 (0) 2808 6256

As we continually update our technical datasheets, please check on www.mdfosb.com that you have the latest version.

This technical datasheet 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.

The recommendations provided in this technical datasheet for the correct use of **SMARTPLY SITEPROTECT** 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 contractor, experienced with this type of product. **SMARTPLY EUROPE DAC** cannot be held responsible for damages arising from nonadherence to these recommendations, or product failures resulting from inadequate structural design or misuse of this 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.

In order to provide comprehensive guidance for the correct use of SMARTPLY SITEPROTECT, 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.