

POLYWALL™

POLYDOOR® PROTECTION PRODUCTS

Product Specification

Description

HMW-PE Wall Protection Coverings, Food Safe Grade 500/1000 High Molecular Weight

Manufacturer

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Product Code

PW500/PW1000

General Description

Waterproof, food safe, high molecular weight HMW-PE 500 and 1000 grade machined skirting for lower wall covering.

Polydoor® Polywall™ offers high impact protection to low level areas throughout a range of commercial and industrial applications. The HMW-PE low water absorbency value (< 0.01%) also makes the product ideal for wet applications or areas where regular washing is required. The engineering grade material is chemical resistant and recognised as food-safe in both virgin and pigmented forms.

HMW500 and UHMW1000 grades are denoted by the products density and impact resistance. Both grades are available in bespoke profiles and sizes/lengths as noted in the sizing specifications below.

Standard colour is white and optional accent colours are available with additional drip groove profiles.

Product Dimensions

Length (L): 2000mm (LS200) 3000mm (LS300)

Thickness (T): 15mm (Standard) 20/30/40mm available on request

Profile Dimensions

75/100/150/200/250/300mm x (T) x (L)

Profile Style/Finish

As per drawing (please refer to product drawing for standard profiles)

Generally

Installation

All walls must be rigid, dry, sound, smooth and free from grease, dirt and other contaminants before being applied.

To ensure optimum performance all lengths of the product must be accurately fitted and jointed as per manufacturer's instructions

Samples

Before placing orders, submit for approval a representative sample profile of each type of skirting.

Layout

Set out using lengths of so that joints are kept to a minimum.

Internal and external corners to be thermoformed onsite, limiting the number of joints required.

Marking

Ensure that materials are delivered to site in original packing, clearly marked with identification labels showing profile, thickness, length etc.

Storage

All lengths must be stored flat prior to installation. Do not lean lengths against walls as this will make fitting extremely difficult and may result in permanent warping of the product.

Store materials flat and in a clean environment prior to use.

Commencement

Ideally on new projects it is recommended that the product is installed towards the end of the project to avoid damage prior to handover. Due to the low level nature of the product, heavy goods movements should have ceased prior to installation.

Conditioning

All lengths must be stored flat and left for 24 hours to attain the ambient room temperature prior to installation (min 15°C).

Environment

The product must not be exposed to temperature ranges lower than -50°C or higher than 80°C

Preparing Substrates

Suitability of new substrates and conditions

Fitting of the product will be taken as joint acceptance by the Main Contractor and Subcontractor of the suitability of the substrates and conditions within any given area.

Suitability of existing substrates and conditions

Before commencing work the subcontractor must confirm (through the Main Contractor) that existing substrates will, after the specified preparation, be suitable to receive the specified product.

Suitable substrates in general

The specifications for finishes to receive Polydoor® Polywall™ requires:

- Good quality brick or block work
- Straight to within 3mm over a 2m straight edge
- Minimum 9mm W.B.P. resin bonded plywood fixed at 200mm centres to suitable studwork or direct to solid substrate
- Minimum 9mm MDF dense wood based panels fixed at 200mm centres to solid surface

Substrate Preparation

All loose paint and dust to be removed.

Friable surfaces should be removed or made sound.

Edging & Cover Strips

All fixings are optionally concealed with interference fit caps or cover strips which fit into machined cut-outs. Edging is available at the lower point of the skirting incorporating a machined drip groove.

All edging and cover strips are simply push fitted into position.

Installation

Layout Preparation

Always optimise the number of cuts taking into consideration the lengths of material in each area. The use of a laser level is advised to strike a temporary line or transfer marks to each area where the product is to be installed.

Installation Fixing

Before commencing work the subcontractor must confirm (through the Main Contractor) that existing substrates will, after the specified preparation, be suitable to receive the specified product. Once determined the skirting can be securely fixed to the substrate using the appropriate screws or fasteners. Optionally on non-porous surfaces the use of double sided 3M tape may be used to aid securing the skirting.

Installation is only advised and contractors are always recommended to determine the correct method of fixing to the substrate available on site.

Completion

Cleaning

Remove all scrap, dust and dirt. Carefully remove adhesive and other marks from skirting and adjacent surfaces, using approved cleaning agents and methods.

When cleaning the Polydoor[®] Polywall[™] surface, the temperature should not exceed 60 degrees Centigrade. Do not use cleaning materials of an abrasive nature

Contact Speedflex for detailed cleaning instructions: Speedflex UK Ltd, Tel: +44(0)800 2888861, Fax: +44(0)800 0191799, Email: sales@speedflex.net

Waste Recycling Polydoor[®] Polywall[™]

Polydoor[®] Polywall[™] is a fully recyclable product and can be taken to any recycling centre and placed in the appropriate plastic recycling bin for regeneration.

Order Codes

Part Numbers

Basic information is used to determine the part numbers for all Polydoor[®] Polywall[™] as outlined below. The type specification can be found on the relevant drawings.

[Grade]			[Thickness]			[Height]			[Type]		
5	0	0	-	1	5	3	0	0	T	0	1

Grade (500 or 1000)

Please check type to determine if both grades before specification

Thickness 15/20/30/40/50

Please check type to determine available thickness before specification

Height 75/100/150/200/250/300 (Custom heights available on request)

Please check type to determine available heights before specification

Type (Custom designs available on request)

Please refer to drawings for type detail reference