

# Gyproc WallBoard DUPLEX

## Product Data Sheet

### Introduction

Used for wall and ceiling linings where vapour control and plasterboard lining are required in one fixing operation.

### Product description

Gyproc WallBoard backed with a vapour control membrane. Gyproc WallBoard DUPLEX consists of an aerated gypsum core encased in, and firmly bonded to, strong paper liners and backed with an additional metalised polyester film. Gyproc WallBoard DUPLEX is a plasterboard that is suitable for drylining internal surfaces.

This plasterboard is one of the products within our plasterboard range that is certified to *BES 6001* achieving a rating of 'Excellent'.



### Board performance

#### Fire protection

Plasterboard linings provide good fire protection owing to the unique behaviour of the non-combustible gypsum core when subjected to high temperatures. For the purposes of the national Building Regulations, plasterboard is designated a 'material of limited combustibility' (Approved Document B). The surfaces of Gyproc WallBoard DUPLEX are designated Class 0 (for the purposes of national Building Regulations). Please refer to the table below.

#### Fire resistance

Please refer to the appropriate **White Book** product or systems section for information on the fire resistance of building elements lined with Gyproc WallBoard. The substitution of Gyproc WallBoard with the same thickness of Gyproc WallBoard DUPLEX will not change the fire performance.

#### Reaction to fire test performance

Standard	Performance
BS 476: Part 6: 1989 Method of test for fire propagation for products.	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1 (both sides).
EN 13501-1: 2007 + A1: 2009.	Classified without further testing as B-s1, d0.

#### Thermal conductivity

Gyproc WallBoard DUPLEX - 0.19W/mK

#### Effect of temperature

Gyproc WallBoard DUPLEX is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Plasterboards are not suitable for use in temperatures above 49°C, but can be subjected to freezing conditions without risk of damage.

#### Effect of condensation

The thermal insulation and ventilation requirements of national Building Regulations aim to reduce the risk of condensation and mould growth in new buildings. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects.

#### Board colour

- Ivory face paper
- Metalised polyester film reverse

#### Board printing

Face - screw centre markings 'x'.

Edge - product code, EAN number, board thickness x width x length, edge type.

#### Board range

Width mm	Length mm	Edge type
<b>12.5mm Board</b>		$\text{Kg/m}^2 = 8.0$ R ( $\text{m}^2\text{K/W}$ ) = $0.41$ <sup>2</sup>
900	1800	S/E
1200	2400	T/E S/E
	2700, 3000	T/E
<b>15mm Board</b>		$\text{Kg/m}^2 = 9.8$ R ( $\text{m}^2\text{K/W}$ ) = $0.42$ <sup>2</sup>
1200	2400	T/E

<sup>2</sup> Including 25mm minimum air space.

T/E = Tapered Edge S/E = Square Edge

#### Board types

T/E - with Gyproc jointing materials for taped and filled joints or application of Thistle BoardFinish or Thistle MultiFinish plaster.  
S/E - for plaster application, Artex Texture Finish or undecorated applications.

# Application and installation

## General

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

## Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the **Site Book** or Manual Handling Guide, available to download from [british-gypsum.com](http://british-gypsum.com).

## Cutting

This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

## Fixing

Fix boards with decorative side out to receive joint treatment or a skim plaster finish. Lightly butt boards together. Never force boards into position. Install fixings not closer than 13mm from cut edges and 10mm from bound edges. Position cut edges to internal angles whenever possible, removing paper burrs with fine sandpaper. Stagger horizontal and vertical board joints between layers by a minimum of 600mm. Locate boards to the centre line of framing where this supports board edges or ends.

## Plastering

The face (ivory) of Gyproc WallBoard DUPLEX can be plastered with either Thistle BoardFinish or Thistle MultiFinish. There should be the minimum of delay between completion of the lining and the commencement of plastering.

## Jointing

Gyproc jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. A number of jointing specifications are available to suit the board type, method of application, and site preference.

## Decoration

After the joint treatment has dried, decoration, including any decorator's preparatory work, should follow with the minimum delay.

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## Product standards

*EN 14190: 2014 Gypsum plasterboard, products for reprocessing – definitions, requirements and test methods.*

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# Maintenance

## Repair

**Minor damage** - Lightly sand the surface to remove burrs and fill flush with Gyproc Easi-Fill or Gyproc Easi-Fill 45, or two of Gyproc Joint Cement. When dry, apply Gyproc Drywall Primer or Gyproc Drywall Sealer to leave the surface ready for decoration.

**Deep indents resulting from impact** - Check the plasterboard core to ensure that it is not shattered. If intact, apply a coat of Gyproc Joint Filler, or Gyproc Easi-Fill or Gyproc Easi-Fill 45, followed by the procedure for repairing minor damage as outlined above, once set / dry.

**Damaged core and / or broken edges (non-performance situations only)** - Remove the damaged area of core. Score the liner approximately 10mm away from the sound plaster around the damaged area, and peel the paper liner away. Apply Thistle GypPrime or PVA to seal the core and surrounding liner. Bulk fill the hole with a stiff mix of Gyproc Easi-Fill or Gyproc Easi-Fill 45, or Gyproc Joint Filler, and strike off flush. Apply Gyproc Easi-Fill or Gyproc Easi-Fill 45, or two applications of Gyproc Joint Cement, once the filler is set / dry. When dry, apply Gyproc Drywall Primer or Gyproc Drywall Sealer (only suitable in non-performance situations).

**Extensive damage** - When the damage is more extensive, it may be necessary to replace that area of plasterboard. It is important that the replacement board is of the same type as specified and installed. Cut out the affected area back to the nearest framing member. Replace the plasterboard, accurately cutting and screw fixing the same type and thickness of plasterboard. Fill edge joints, then tape and finish in the recommended way. Treat the finished surface with Gyproc Drywall Primer or two coats of Gyproc Sealer, if specified for vapour control purposes. Redecorate as required.

**(NB)** It is essential that repairs are made 'like for like'. If the finish is skim plaster, jointing materials must not be used in the repair.

Date of previous version: January 2014.

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