

Designated by Government
to issue
European Technical
Approvals

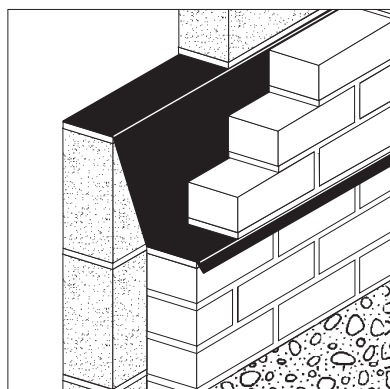
PLYLOAD DAMP-PROOF COURSES

Couche d'étanchéité pour murs
Feuchtigkeitssperre im Wandbereich

Product


• THIS CERTIFICATE REPLACES
CERTIFICATE No 99/3614
AND RELATES TO PLYLOAD
DAMP-PROOF COURSES.

These Front Sheets must be read in
conjunction with the accompanying
Detail Sheets, which provide
information for specific products.



Regulations — Detail Sheet 1

1 The Building Regulations 2000 (as amended) (England and Wales)

 The Secretary of State has agreed with the British Board of Agrément the aspects of performance to be used by the BBA in assessing the compliance of damp-proof courses with the Building Regulations. In the opinion of the BBA, Plyload Damp-Proof Courses, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: A1

Loading

Comment:

The products will not extrude under load, up to the point of failure of the wall, and will not adversely affect the ability of a properly designed and built wall to sustain and transmit compression loads. See the tinted area of the *Behaviour under load* section of these Front Sheets.

Requirement: C2(a)(b)

Resistance to moisture

Comment:

When properly installed in a correctly designed structure, the products form an effective barrier to the movement of water within the wall, enabling compliance with this Requirement. See the *Resistance to water and water vapour* section of these Front Sheets.


Requirement: Regulation 7

Materials and workmanship

Comment:

The products are acceptable materials. See the *Durability* section of these Front Sheets.

2 The Building Standards (Scotland) Regulations 1990 (as amended)

 In the opinion of the BBA, Plyload Damp-Proof Courses, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Regulations and related Technical Standards as listed below.

Regulation: 10

Fitness of materials and workmanship

Standard: B2.1

Selection and use of materials, fittings, and components, and workmanship

Comment:

The products can contribute to a construction meeting this Standard. See the *Installation* part of the relevant Detail Sheet.

Standard: B2.2

Selection and use of materials, fittings, and components, and workmanship

Comment:

The product is an acceptable material. See the *Durability* section of these Front Sheets.

Regulation: 11

Structure

Standard: C2.1

Structure — Stability

Comment:

The products will not extrude, up to the point of failure of the wall, and will not adversely affect the ability of the properly designed and built wall to sustain and transmit compression loads. See the tinted area of the *Behaviour under load* section of these Front Sheets.

Regulation: 17

Resistance to moisture

Standard: G2.6

Preparation of a site and resistance to moisture from the ground — Resistance to moisture from the ground

Standard: G3.1

Resistance to precipitation — Resistance to precipitation

Comment:

When properly installed in a correctly designed structure, the products form an effective barrier to the movement of water within the wall, enabling compliance with these Standards. See the *Resistance to water and water vapour* section of these Front Sheets.

3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, Plyload Damp-Proof Courses, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Building Regulations as listed below.

Regulation:	B2	Fitness of materials and workmanship
Comment:		The products are an acceptable material. See the <i>Durability</i> section of these Front Sheets.
Regulation:	C4	Resistance to ground moisture and weather
Comment:		When properly installed in a correctly designed structure, the products form an effective barrier to the movement of water within the wall, enabling compliance with this Regulation. See the <i>Resistance to water and water vapour</i> section of these Front Sheets.
Regulation:	D1	Stability
Comment:		The products will not extrude, up to the point of failure of the wall, and will not adversely affect the ability of the properly designed and built wall to sustain and transmit compression loads. See the tinted area of the <i>Behaviour under load</i> section of these Front Sheets.

4 Construction (Design and Management) Regulations 1994 (as amended) Construction (Design and Management) Regulations (Northern Ireland) 1995 (as amended)

Information in this Certificate may assist the client, planning supervisor, designer and contractors to address their obligations under these Regulations.

See section: 1 *Description* (1.2) of the relevant Detail Sheet.

Technical Specification

5 Description

5.1 Plyload Damp-proof Courses are flexible sheet materials manufactured from a blend of thermoplastic polymers, mineral fibres and other additives, and extruded into sheet form.

5.2 A range of preformed cloaks are available for use with the dpcs (see Figure 1).

Design Data

6 Behaviour under load

6.1 Plyload Damp-proof Courses will not extrude under load, up to the point of compressive failure of the wall, and will not adversely affect the ability of a properly designed and built wall to sustain and transmit compression. The stability of a wall in respect of lateral loads must be checked in relation to the stresses permitted between the dpc and the mortar. The characteristic stresses for design purposes are detailed in the product literature and further guidelines are available from the Certificate holder.

6.2 The products will withstand considerable movement of the wall, and are unlikely to be impaired by normally occurring movements up to the point where the wall itself is deemed to have failed.

7 Resistance to water and water vapour

The product will provide an effective barrier against liquid water and water vapour either from a source external to the structure or from one part of a structure to another.

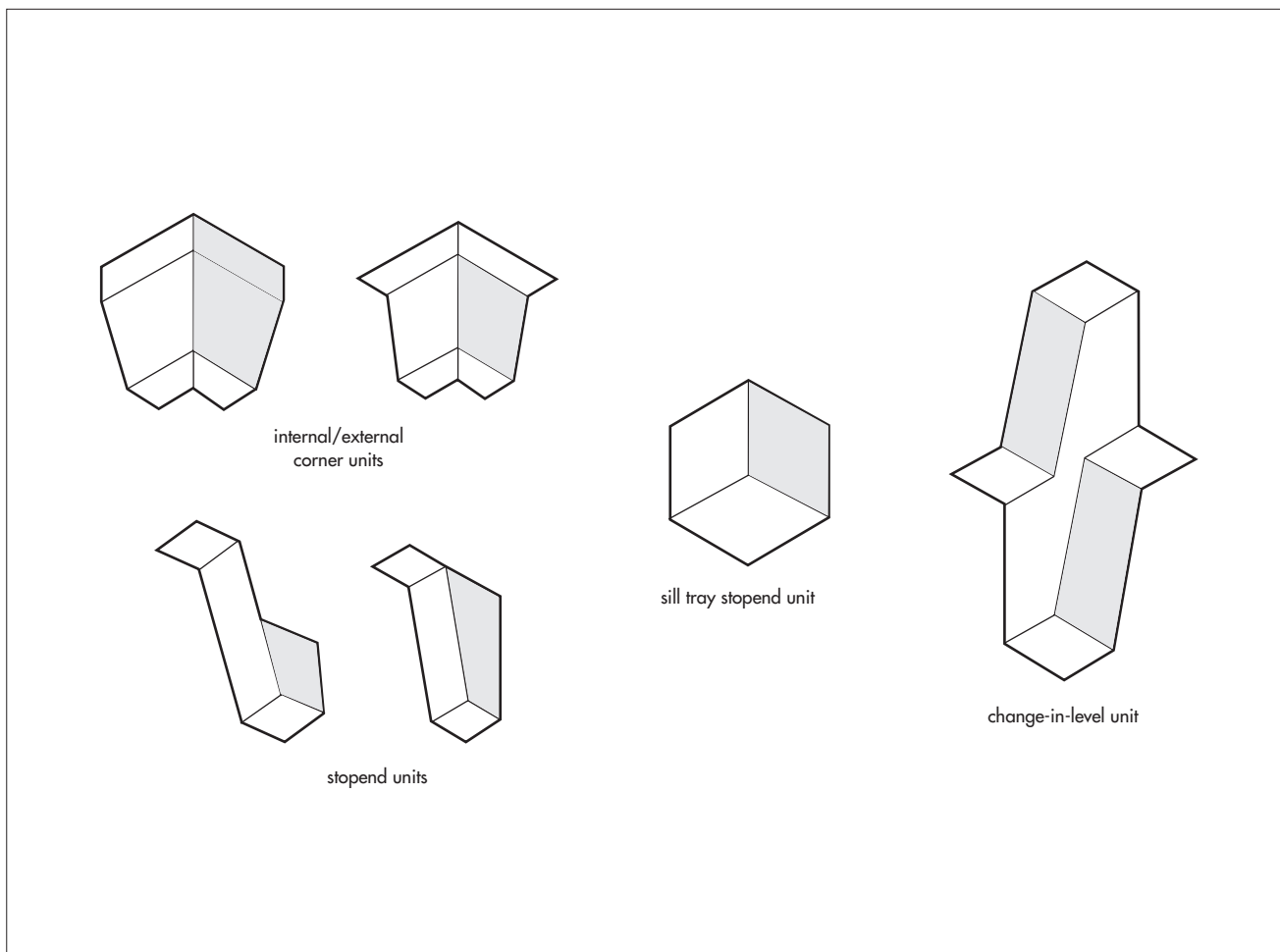
8 Compatibility with other materials

The products are compatible with all materials with which they will be in contact in normal construction, with the exception of timber preservatives based on creosote or tar oils. They are unaffected by timber preservatives that are water-based solutions of salts. Where there is doubt on the compatibility with materials in contact, the advice of the Certificate holder, should be sought.

9 Durability

Artificial ageing tests indicate that a satisfactory retention of physical properties is achieved. When properly specified and installed, the products will in normal circumstances remain effective during the lifetime of the building.

Figure 1 Typical range of cloaks



Conditions of Certification

10 Conditions

10.1 This Certificate:

- (a) relates only to the product that is named, described, installed, used and maintained as set out in this Certificate;
- (b) is granted only to the company, firm or person identified on the front cover — no other company, firm or person may hold or claim any entitlement to this Certificate;
- (c) is valid only within the UK;
- (d) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (e) is copyright of the BBA;
- (f) is subject to English law.

10.2 References in this Certificate to any Act of Parliament, Regulation made thereunder, Directive or Regulation of the European Union, Statutory Instrument, Code of Practice, British Standard, manufacturers' instructions or similar publication, are references to such publication in the form in which it was current at the date of this Certificate.

10.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabrication including all related and relevant processes thereof:

- (a) are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA;

(b) continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine; and

(c) are reviewed by the BBA as and when it considers appropriate.

10.4 In granting this Certificate, the BBA is not responsible for:

- (a) the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product;
- (b) the right of the Certificate holder to market, supply, install or maintain the product; and
- (c) the actual works in which the product is installed, used and maintained, including the nature, design, methods and workmanship of such works.

10.5 Any recommendations relating to the use or installation of this product which are contained or referred to in this Certificate are the minimum standards required to be met when the product is used. They do not purport in any way to restate the requirements of the Health & Safety at Work etc Act 1974, or of any other statutory, common law or other duty which may exist at the date of this Certificate or in the future; nor is conformity with such recommendations to be taken as satisfying the requirements of the 1974 Act or of any present or future statutory, common law or other duty of care. In granting this Certificate, the BBA does not accept responsibility to any person or body for any loss or damage, including personal injury, arising as a direct or indirect result of the installation and use of this product.



In the opinion of the British Board of Agrément, Plyload Damp-Proof Courses are fit for their intended use provided they are installed, used and maintained as set out in this Certificate. Certificate No 05/4201 is accordingly awarded to Plysolene Limited.

On behalf of the British Board of Agrément

Date of issue: 14th February 2005

Chief Executive