



## Icopal Ltd

Barton Dock Road  
Stretford  
Manchester M32 0YL  
Tel: 0161-865 4444 Fax: 0161-864 1178  
e-mail: enq@icopal.co.uk  
www.monarflex.co.uk

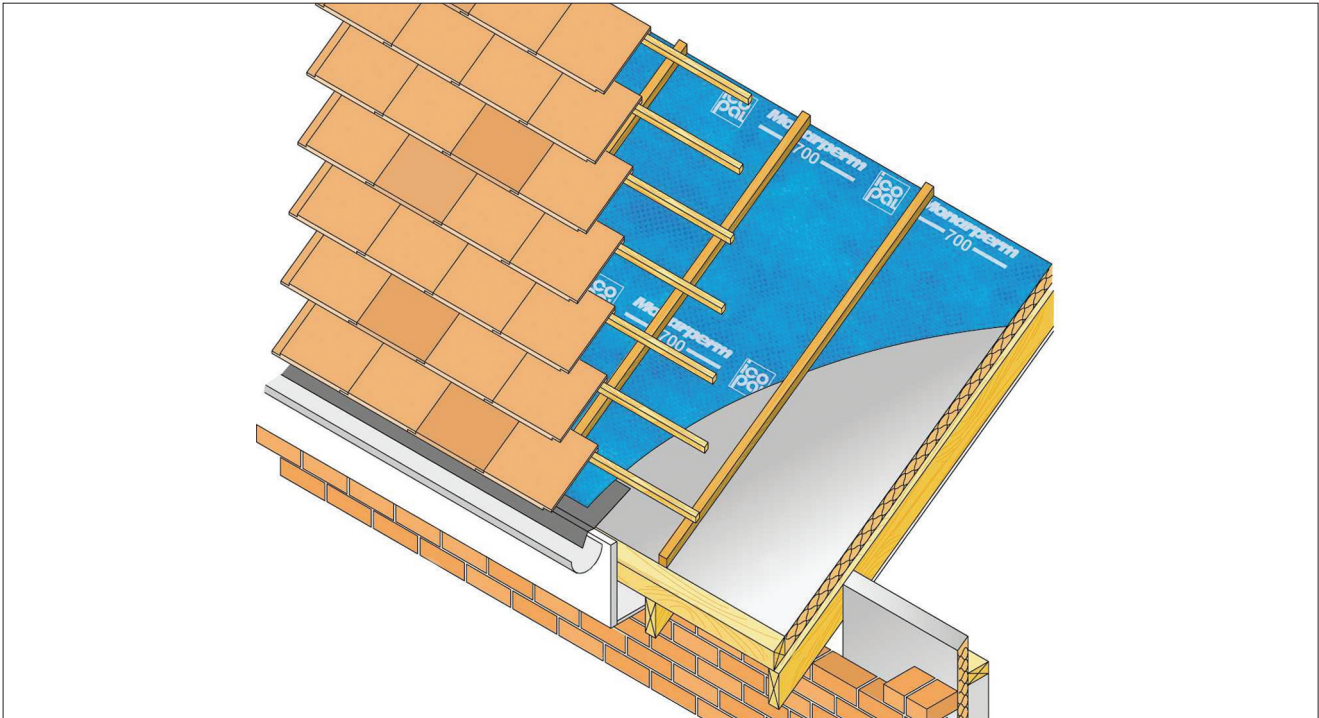
**Agrément  
Certificate  
No 02/3932**

Designated by Government  
to issue  
European Technical  
Approvals

## MONARPERM BREATHABLE ROOF LINING SYSTEMS

Sous-toiture  
Dachunterspannbahn

## Product



• THIS CERTIFICATE RELATES TO MONARPERM BREATHABLE ROOF LINING SYSTEMS, FOR USE AS UNSUPPORTED OR FULLY SUPPORTED ROOF TILE UNDERLAYS FOR TILED OR SLATED PITCHED ROOFS.

- The products prevent the ingress of wind-blown rain or snow.
- The product is resistant to tearing and is flexible at low ambient temperatures during installation.

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

## 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 roof waterproofing with the Building Regulations. In the opinion of the BBA, Monarperm Breathable Roof Lining Systems, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements.

Requirement: C4

Resistance to weather and ground moisture

Comment:

Tests for weather resistance indicate that the product will contribute towards a tiled or slated roof meeting this Requirement. See section 4 of the appropriate Detail Sheet.

Requirement: Regulation 7

Materials and workmanship

Comment:

The products are acceptable materials. See section 8 of these Front Sheets.

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



In the opinion of the BBA, Monarperm Breathable Roof Lining Systems, 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
Standards:	B2.1 and B2.2	Selection and use of materials, fittings, and components, and workmanship
Comment:		The products comply with these Standards. See section 8 of these Front Sheets.
Regulation:	17	Resistance to moisture
Standard:	G3.1	Resistance to precipitation
Comment:		Tests for water resistance indicate that the products will contribute towards a roof satisfying the requirement. See section 4 of the appropriate Detail Sheet.

## 3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, Monarperm Breathable Roof Lining Systems, 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 acceptable materials. See section 8 of these Front Sheets.
Regulation:	C4	Resistance to ground moisture and weather
Comment:		Tests for water resistance indicate that the products will contribute towards a roof satisfying the requirement. See section 4 of the appropriate Detail Sheet.

## 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 sections: 1 *Description* (1.2), 3 *General* (3.2) and 6 *Procedure* (6.4) of the appropriate Detail Sheet.

## Design Data

### 5 General

Monarperm Breathable Roof Lining Systems provide a satisfactory fully supported or, where stated in the relevant Detail Sheet, unsupported, underlay in tiled and slated pitched roofs constructed in accordance with the relevant clauses of BS 5534-1 : 1997.

### 6 Properties in relation to fire

6.1 The products have similar properties in relation to those of traditional polythene roof tile underlays, which are acceptable under BS 5534-1 : 1997.

6.2 When the products are for use in a fully supported situation, the reaction to fire will be determined by the support used.

6.3 When used unsupported, there is a risk fire can spread if the material is accidentally ignited during maintenance works, (eg roofer's or

plumber's torch). As with all types of sarking material, care should be taken during building and maintenance to avoid the material becoming ignited.

### 7 Maintenance

Damage to the products can be repaired easily, prior to the application of slates or tiles, by the replacement of the damaged sheet.

### 8 Durability



Monarperm Breathable Roof Lining Systems will be virtually unaffected by the normal conditions found in a roof space and will have a life comparable to that of traditional roof tile underlays.

## Bibliography

BS 5534-1 : 1997 *Code of practice for slating and tiling (including shingles) – Design*

## Conditions of Certification

### 9 Conditions

9.1 This Certificate:

- (a) relates only to the product that is 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) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (d) is copyright of the BBA.

9.2 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, shall be construed as references to such publication in the form in which it was current at the date of this Certificate.

9.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabricating process(es) 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 by the BBA or its agents; and

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

9.4 In granting this Certificate, the BBA makes no representation as to:

- (a) the presence or absence of any patent 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 nature of individual installations of the product, including methods and workmanship.

9.5 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, Monarperm Breathable Roof Lining Systems are fit for their intended use provided they are installed, used and maintained as set out in this Certificate. Certificate No 02/3932 is accordingly awarded to Icopal Ltd.

On behalf of the British Board of Agrément

Date of issue: 4th December 2002

A handwritten signature in black ink, appearing to read 'P. Q. Newson', is written over a light grey background.

Chief Executive

