

# Monarfol 300

## Pitched Roof Underlay

### Data Sheets

Physical Property	Result	Test Method
Size	1.0m x 25m & 50m	
Colour	Black Surface/Grey Underside	
Thickness	0.3mm	
Roll Weight	6.3kg & 12.6kg	
Tensile Strength	465N/50mm (md), 260N/50mm (td)	prEN 12311-1
Elongation at Max Force	24% (md), 10% (td)	prEN 12311-1
Nail Tear Strength	106N (md), 124N (td)	prEN 12310-1
Water Transmission	0.5gm <sup>-2</sup> day <sup>-1</sup>	EN ISO 12572 (condition C)

#### IDENTIFICATION

Monarfol 300 is a reinforced polyethylene pitched roof underlay, and is used in to reduce wind load on slates and tiles and to provide a secondary water-shedding layer against wind-driven rain or snow.

#### STANDARD

Monarfol 300 has been site and laboratory tested by the British Board of Agrément and awarded BBA certification.



Certificate No: 87/1807

#### DESCRIPTION

Monarfol 300 Roof Tile Underlay is a multi-layer polyethylene with a black coloured topside and a grey underside. The reinforcement sandwiched between the layers is multifilament polypropylene in a 12 mm by 12 mm grid, and printed with overlap guidelines and the product name.

#### STRENGTH

Monarfol 300 combines excellent tensile strength characteristics with high puncture and nail tear resistance.

#### UV RESISTANCE

Monarfol 300 is resistant to Ultra Violet light degradation, but should be covered as soon as possible.

#### DURABILITY

Monarfol 300 is designed to have a serviceable life equal to the primary roof covering performance.

#### QUALITY ASSURANCE

Monarfol 300 is manufactured under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Certificate No: Q5556

#### COMPATIBILITY

Monarfol 300 is compatible with most materials normally used within roof substructures and finishes. It may be cut and applied using techniques described in the current BS 5534: Part 1 (Slating and Tiling: including shingles). There are no harmful side effects associated with the material. It is not suitable for use with solvent based timber treatments.

#### INSTALLATION DETAILS

Monarfol 300 must be installed and fixed in accordance with the manufacturer's instructions and the relevant recommendations of BS 5534-1: 2003 and BS 8000-6:1990. Installation can be carried out under all conditions normal to roofing work. Fixing instructions are enclosed with the roll.

#### Icopal Limited

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WORLD LEADER  
IN  
WATERPROOFING

C/sfB	May 2004
(47)	Ln6

Data Sheet No: ICO0601

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#### TYPICAL SPECIFICATION

Monarfol 300 pitched roof underlay as manufactured by Icopal Ltd, Barton Dock Road, Stretford, Manchester, M32 0YL. The underlay is to be installed and fixed in accordance with the manufacturer's instructions and in accordance with the relevant recommendations of BS 5534-1: 2003 and BS 8000-6:1990.

#### NBS SPECIFICATION

Monarfol 300 pitched roof underlay is specified using the following clauses: H61/240, H62/240, H65/240.  
 Product: Monarfol 300  
 Manufacturer: Icopal Ltd. Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444  
 Fax: 0161 865 8433.

#### DELIVERY AND STORAGE

Monarfol 300 is delivered to site in rolls individually shrink-wrapped and labelled. Installation instructions are printed on the back of the product label.

Rolls must be stored horizontally on a clean dry surface and under cover for protection from the weather.

#### HEALTH AND SAFETY

Health and safety data sheets are available for all materials. Please contact Icopal Technical Services Department for further information.

#### HANDLING

Monarfol 300 is non-injurious to the skin and can be handled without protective clothing.

#### TECHNICAL SERVICES

Specialist advice and design guidance on all matters relating to Monarfol 300, including CAD detailing for all pitched roofing requirements, is freely available from our Technical Department at the address below.

**NOTE:** This information is given in good faith being based on the latest knowledge available to Icopal Limited. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice. Up to date information is available from the Technical Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on any information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

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