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# Monarflex® 5U Eaves Sheet

## Pitched Roofing Systems

### Introduction

Pitched roof underlays are normally dressed into the gutter, leaving a strip of material exposed. Some underlays, including spun-bonded breather membranes and more traditional bituminous 1F felts can deteriorate and even disintegrate after relatively short exposure to water and sunlight. BS5534 and BRE Defect Action Sheet 9 both recommend that a more durable material is used in these areas.

Monarflex® 5U Eaves Sheet provides a more durable membrane for dressing into the eaves gutter, protecting the pitched roof underlay.

### Description

Monarflex® 5U Eaves Sheet is manufactured to the former British Standard BS 747 Type 5U (now withdrawn). The product consists of a polyester carrier which is saturated and coated with oxidised bitumen. The surface is then finished with sand to prevent sticking in the roll.

### Intended Use

Monarflex® 5U Eaves Sheet is a traditional bituminous membrane intended as an eaves sheet and is designed to be dressed into the gutter prior to the installation of the pitched roof underlay. It is used beneath discontinuous roofing for use in application on pitched roofs.

### Installation Details

The Monarflex® 5U Eaves Sheet should be detailed to extend over the fascia board or tilting fillet and into the gutter to allow effective drainage. Continuous support between the first batten and the fascia or tilting fillet should be provided to prevent ponding of water..

1. Lay the Monarflex® 5U Eaves Sheet parallel to the eaves ensuring sufficient material is dressed up the rafter.
2. Securely fix the Monarflex® 5U Eaves Sheet to the rafters allowing the Monarflex® 5U Eaves Sheet to dress over the tilting fillet and fascia board.
3. Dress the Monarflex® 5U Eaves Sheet into the gutter.
4. Overlaps should be a minimum of 100mm and sealed with Xtra-Seal Bitumen Sealant.
5. Once complete lay the pitched roof underlay over the Monarflex® 5U Eaves Sheet and secure accordingly.

The pitched roof underlay must be installed and fixed in accordance with the manufacturer's instructions and the relevant recommendations of BS 5534:2003+A1:2010 and BS 8000-6: 2013. Installation can be carried out under all conditions normal to roofing work.

### Properties

Roll Size	0.5 m x 16 m; 0.33 m x 16 m
Colour	Black/sanded
Thickness	1.7 mm
Weight/Unit area	1.9 kg·m <sup>-2</sup>

### Compatibility

Monarflex® 5U Eaves Sheet 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 (Slating and Tiling: including shingles). Monarflex® 5U Eaves Sheet is not suitable for use with solvent based timber products.

**Hydrocarbon solvent based products, such as Naphtha, paraffin and creosote will have a harmful effect and should not be allowed to come into contact with these membranes.**

### Durability

Monarflex® 5U Eaves Sheet is manufactured to the former British Standard BS 747 Type 5U specification. As described in Annex A of BS 5534:2003+A1:2010, Type 5U membranes offer higher resistance to tearing, and its rot resistant polyester base gives added durability compared to a type 1F underlay.

### Quality Assurance

Monarflex® 5U Eaves Sheet are supplied under a Quality Management System approved to *ISO 9001: 2000* by BSI Quality Assurance.



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# Monarflex<sup>®</sup> 5U Eaves Sheet

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### Typical Specification

Eaves sheet to be Monarflex<sup>®</sup> 5U Eaves Sheet, as manufactured by Icopal Limited, Barton Dock Road, Stretford, Manchester, M32 0YL. The membrane is to be installed at the eaves and dressed into the gutter prior to application of the pitched roof underlay. Overlaps should be 100 mm and sealed with Xtra-Seal<sup>®</sup> Bitumen Sealant. It should be installed in accordance with the manufacturer's instructions and the relevant recommendations of BS 5534:2003+A1:2010 and BS 8000-6: 2013.

### Sizing

Monarflex<sup>®</sup> 5U Eaves Sheet is available in two roll widths. For low pitch roof slopes of 12.5° to 30° the 0.5 m width is recommended. The narrower 0.33 m width is suitable for roof slopes above 30°.

### Delivery and Storage

Monarflex<sup>®</sup> 5U Eaves Sheet is delivered to site in rolls individually wrapped and bearing the manufacturer's name and product description. The material when removed from the pallet must be stood on end on a flat level surface, under cover and away from exposure to the sun and away from heat sources. Mechanical damage must also be avoided.

When used during colder weather, the product should be stored between 10 °C and 20 °C for 24 hours before installation.

Do not store where membranes are liable to come into contact with hydrocarbon solvents, such as petroleum spirit or diesel oil or other organic solvents.

### Technical Services

Specialist advice and design guidance on all matters relating to Monarflex<sup>®</sup> 5U Eaves Sheet is freely available from our Technical Department at the address below.

### Availability

Item Code	Description	Roll Length
2002160	Monarflex 5U Eaves Sheet	0.33 m x 16 m
2003387	Monarflex 5U Eaves Sheet	0.50 m x 16 m

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure 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 our Technical Services 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 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.