

# Monarplan GF



EN 13956

08

1213-CPR-0066

## TECHNICAL DATA SHEET

|                       |  |
|-----------------------|--|
| Surface Upper         | RAL7001 (light grey) / RAL 7015 (anthracite) |
| Surface Lower         | 250g/m <sup>2</sup> polyester fleece         |
| Material              | PVC-P  |
| Type of Reinforcement | Glass fleece 50g/m <sup>2</sup>              |

| Characteristic               | Test method      | Value or statement | Units              | Tolerance |
|------------------------------|------------------|--------------------|--------------------|-----------|
| Thickness                    | EN 1849-2        | 1.5 (+ fleece)     | mm                 | -5/+10 %  |
| Mass per unit area           | EN 1849-2        | 2.200              | kg·m <sup>-2</sup> | -5/+10 %  |
| Length                       | EN 1848-2        | 15                 | m                  | -0/+5%    |
| Width                        | EN 1848-2        | 2.12               | m                  | -0/+5%    |
| Straightness                 | EN 1848-2        | ≤ 30               | mm                 | -         |
| Flatness                     | EN 1848-2        | ≤ 10               | mm                 | -         |
| Visible defects              | EN 1850-2        | pass               | -                  | -         |
| Dimensional Stability        | EN 1107-2        | ≤ 0.3              | %                  | -         |
| Tensile strength             | EN 12311-2 (A)   | ≥ 400              | N/50 mm            | -         |
| Elongation                   | EN 12311-2 (A)   | ≥ 30               | %                  | -         |
| Water tightness              | EN 1928 (B)      | pass               | -                  | -         |
| Water vapour diffusion value | EN 1931          | μ =14'000          | -                  | -         |
| Reaction to fire             | EN 13501-1       | Class E            | -                  | -         |
| Joint peel resistance        | EN 12316-2       | ≥ 185              | N/50 mm            | -         |
| Joint shear resistance       | EN 12317-2       | ≥ 600              | N/50 mm            | -         |
| Resistance to Cold Bend      | EN 495-5         | ≤ -30              | °C                 | -         |
| Resistance to impact         | EN 12691 (A / B) | ≥ 500              | mm                 | -         |
| UV Exposure                  | EN 1297          | Pass               | -                  | -         |
| Hail resistance              | EN12583          | ≥ 17               | m·s <sup>-1</sup>  | -         |

### Description of product

Monarplan GF is a single-ply roofing membrane with glass reinforcing and a polyester fleece backing. Monarplan GF is made of polyvinylchloride (PVC-P).

### Type of application

Monarplan GF membrane is intended for use as an exposed membrane in fully adhered roofing systems. Membranes should be installed in accordance with manufacturer's guidelines.

### Compatibility

When used over bitumen, bitumen-bound insulation products, coal tar, pitch or oil-based products, a separation layer must be interposed between the substrate and the membrane.

### Storage & Transportation

Monarplan GF rolls are delivered on pallets, covered with PE foil. Monarplan GF must be stored horizontal on a flat and dry surface, at a temperature between 0 °C and +40 °C. During storage exposure to direct sunlight is to be avoided.

### Other Colours

Green, White, Red, Blue and Turquoise available to special order.

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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.