

**YAM 2000 HMM**

Glass fibre based preparation layer for built up systems

**Introduction**

YAM 2000 HMM is a glass reinforced waterproofing materials designed for use in high performance built up systems to suit requirements of both new build and remedial roofing applications.

**Product Description**

YAM 2000 HMM (Formerly BS 747:2000 **Type 3B**) is a glass fibre based Underlay, saturated and coated with oxidised bitumen. The membrane is finished with fine-grained sand on both sides.

YAM 2000 HMM glass reinforced membranes are reliable, environmentally friendly materials with excellent performance and economy characteristics. These products can be applied to all suitable types of substrates as underlays in built up waterproofing systems.

**Product Features**

- Excellent quality glass fibre reinforcement
- Compatibility with most Pour and Roll and Torch-On materials
- High durability in built up roofing systems
- Up to 15 year material guarantee within approved waterproofing system

**Application**

YAM 2000 HMM glass reinforced materials can be used as underlays in built up waterproofing systems or as vapour barriers on new built or refurbished flat roofs as well as part of overlay systems to existing asphalt waterproofing. Not recommended for use as single ply waterproofing.

YAM 2000 HMM glass fibre membrane should be installed in accordance with BS 8217: 2005 Code of Practice for Reinforced bitumen membranes for roofing, constantly observing TechnoNICOL installation recommendations and guidance. YAM 2000 HMM glass reinforced membrane is applied by traditional Pour and Roll methods or by mechanical fixing onto previously prepared surface, clear of any debris or sharp projections, primers shall be used to prepare substrate for achieving most effective waterproofing longevity.

The membranes should be rolled out behind poured Hot or Cold mastic and spread to achieve continuous coating for the full width. Side laps must be minimum 75mm with end laps at minimum of 100 mm. The subsequent cap sheet layer should be offset 300 mm from the underlay to avoid build up of overlaps.

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TECHNICAL DATA SHEET 06.2016

Harmonised standard

**EN 13707:2004 + A2:2009**

### Health and Safety

Health and Safety should be observed at all times in accordance with HSE and Industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from TechnoNICOL Technical Service Department.

### Availability

Product Name	Product Code	Roll Dimensions (m)	Weight (kg/m <sup>2</sup> )
<b>YAM 2000 HMM</b>	425818	15 x 1*	2.0 ± 0.10

\*Roll width can be cut to order, available sizes (mm): 700/330/200/150/125

### Performance and Key Properties

Properties	Test Method	Declared Performance
Reinforcement type and weight		Glass Fibre, 55 g/m <sup>2</sup>
Maximum tensile force L/T, N/50mm	EN 12311-1	300/300±50
Elongation, %	EN 12311-1	2.2/2.2±0.22
Resistance to tearing (nail shank), N	EN 12310-1	30/30±10
Flow resistance at elevated temp. °C	EN 1110	≥ 85
Flexibility at low temp. °C	EN 1109	≤ 0
Watertightness, kPa	EN 1928	60
Water vapour transmission properties	EN 1931	μ=20 000
External fire performance	EN 13501-5 ENV 1187:2002, test 2*	Broof (t2)*

\*This material is part of a two-layer roofing system and corresponds to the Broof only in combination with a second layer of roofing system.

### Quality Assurance

YAM 2000 HMM glass reinforced materials are manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

### Technical Service and Other Products

Specialist advise and information on other compatible products is available on [www.tn-europe.com](http://www.tn-europe.com)