

BICROST PERFOR HMM

Glass-Fibre Based Perforated Venting Underlay



Introduction

BICROST PERFOR HMM (Formerly BS 747:2000 **Type 3H**) is a glass-fibre perforated venting underlay, saturated and coated with oxidised bitumen. The membrane is finished with fine grained sand on both sides to enable free laying of material and to prevent the roll from sticking together.

Product Description

BICROST PERFOR HMM is an economical, glass-fibre reinforced, perforated membrane designed for use as a preparation/ventilated later in torch-on and pour and roll roofing systems to suit the requirements of both new build and remedial applications. It is an environmentally friendly material with excellent performance and economy characteristics, and it can be applied to a wide range of substrates.

Product Features

- 40 mm diameter perforations at 120mm centres
- Provides moisture control and ventilation
- High durability in built up roofing systems
- Compatibility with most Pour and Roll and Torch-On materials

Application

BICROST PERFOR HMM should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

BICROST PERFOR HMM should be loose laid, maintaining laps at 10 cm, on to the previously prepared surface. Substrates must be clear of any debris or sharp projections, and primers should be used as necessary to prepare the surface for achieving most effective waterproofing longevity (please consult TECHNOMICOL Technical Services for details). The subsequent layers are applied by pour and roll or torch-on application methods, ensuring bitumen penetration through the perforations to achieve partial bonding to the substrate for prevention of moisture build up and blistering.

Chemical Resistance

Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

Harmonised Standard

EN 13707 + A2:2009

Storage

Store in a cool, dry place and protect from direct sunlight.

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 TECHNOMICOL Technical Service Department.

Availability

Product Name	Product Code	Roll Dimensions (m)	Weight (kg/m ²)
BICROST PERFOR HMM	TN464721	20 x 1	1.8 ± 0.10

Performance and Key Properties

Properties	Test Method		Declared Performance
Length	-	m	≥ 20.0
Width	-	m	≥ 1.00
Reinforcement type and weight			Glass-fibre, 55 g/m ²
Tensile properties: maximum tensile force	EN 12311-1	N/50mm	300/200 (± 100)
Tensile properties: elongation	EN 12311-1	%	2.2/2.2 (± 0.22)
Resistance to tearing (nail)	EN 12310-1	N	30/30 (± 10)
Flow resistance at elevated temperatures	EN 1110	° C	≥ + 80
Flexibility at low temperatures	DIN EN 1109	° C	≤ 0
Reaction to fire	EN 13501-5	-	Class E

Quality Assurance

BICROST PERFOR HMM is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.