



## **BIPOL HPP**

### **Glass Fibre based SBS Modified Torch-on Underlay**

#### **Introduction**

**BIPOL HPP** is a glass fibre based, torch-on underlay, saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. The membrane is finished with thermofusible film on both sides for fast and consistent torch-on application.

#### **Product Description**

**BIPOL HPP** torch-on underlay is an economical, high performance glass reinforced waterproofing material designed for use in high performance built up roofing systems. The product is ideal for use on all suitable types of substrate and can be specified for both new build and remedial roofing applications. **BIPOL HPP** can also be installed as a vapour barrier on new or refurbished flat roofs and can be used as part of an overlay system to existing asphalt waterproofing. The product is not recommended for use as single ply waterproofing.

#### **Product Features**

- Low temperature flexibility at -15°C
- Unique snowflake printed thermofusible film to guide accurate and consistent torch-on application
- High puncture resistance
- High resistance to foot marking
- High quality glass fibre reinforcement

#### **Application**

**BIPOL HPP** 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.

Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign. All operatives using torch guns or hot air guns during installation should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

**BIPOL HPP** must be bonded to the prepared substrate by using the torch-on application method. 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 TechnoNICOL Technical Services for details).

The **BIPOL HPP** membrane should be heated carefully, ensuring that the dispersible film completely melts as work proceeds. Side laps must be minimum 7.5cm with end laps at minimum of 10cm. The subsequent cap sheet layer should be offset 30cm from the underlay in order to avoid build up of overlaps.

#### **Chemical Resistance**

**BIPOL HPP** is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

#### **Harmonised Standard**

EN 13707:2004 + A2:2009

## Storage

Store in a cool and dry place. Protect from direct sunlight. The product should be installed within 3 months of delivery, otherwise the surface must be primed with a suitable primer (please contact TechnoNICOL for further details).

## 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> )
BIPOL HPP	TN484165	16 x 1	3.0 (± 0.15)

## Performance and Key Properties

Properties	Test Method		Declared Performance
Length	-	m	16.00
Width	-	m	1.00
Mass per unit area	-	kg/m <sup>2</sup>	3.0 (± 0.15)
Reinforcement type and weight			Glass Fibre, 55 g/m <sup>2</sup>
Water tightness	EN 1928	kPa	100
Tensile properties: maximum tensile force	EN 12311-1	N/50mm	400/250 (± 100)
Tensile properties: elongation	EN 12311-1	%	2.2/2.2 (± 0.22)
Flow resistance at elevated temperatures	EN 1110	° C	≥ 85
Flexibility at low temperatures	EN 1109	° C	≤ -15
Water vapour transmission properties	EN 1931		μ=20 000
Resistance to tearing (nail shank)	EN 12310-1	N	50/50 (± 10)
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

BIPOL HPP is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.