



## **BICROELAST HPP**

### **Torch-Applied, Glass-Fibre Based SBS Modified Bituminous Underlay**

#### **Introduction**

**BICROELAST 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 on both sides with a thermofusible film for fast and consistent torch-on application.

#### **Product Description**

**BICROELAST HPP** is an economical, high performance glass-fibre based waterproofing membrane designed for use in built-up 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**

- Low temperature flexibility at -10°C
- Unique snowflake printed thermofusible film to guide accurate and consistent torch-on application
- High resistance to foot marking
- Excellent quality glass-fibre reinforcement
- SBS modified bitumen coating formulated to ensure high performance

#### **Application**

**BICROELAST 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.

**BICROELAST HPP** must be bonded to the previously 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 TECHNOMICOL Technical Services for details).

The **BICROELAST HPP** membrane should be heated carefully, ensuring that the dispersible film completely melts as work proceeds and maintaining 5 mm bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvage with end laps at minimum of 10 cm. The cap sheet should be offset 30 cm from the underlay to avoid side build up of overlaps.

#### **Chemical Resistance**

**BICROELAST 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 products 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 <sup>2</sup> )
<b>BICROELAST HPP</b>	TN408371	16 x 1	3.0 ± 0.15

## Performance and Key Properties

Properties	Test Method		Declared Performance
Length	-	m	≥ 16.0
Width	-	m	≥ 1.00
Reinforcement type and weight			Glass-fibre, 55 g/m <sup>2</sup>
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)
Resistance to tearing (nail)	EN 12310-1	N	50/50 (± 10)
Flow resistance at elevated temperatures	EN 1110	° C	≥ + 85
Flexibility at low temperatures	DIN EN 1109	° C	≤ - 10
Watertightness	EN 1928	kPa	100
Water vapour transmission properties	EN 1931	-	μ=20 000
Reaction to fire	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

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