

Product Data Sheet

CasTech Proof SBS

Nov-2025, Ver. 01.01



Torch-Applied SBS-Modified Elastomeric Bitumen Waterproofing Membrane

DESCRIPTION

CasTech Proof SBS is a high-performance, torch-applied waterproofing membrane reinforced with a composite polyester mat and modified with Styrene-Butadiene-Styrene (SBS) for exceptional elasticity, low-temperature flexibility and resistance to structural movement. It is ideal for roofs, terraces, basements and civil engineering structures.

TYPICAL USES

- Roofing: flat and pitched roofs, balconies, terraces
- Substructures: basements, tunnels, bridge decks
- Wet areas: swimming pools, water tanks, bathrooms
- Industrial: parking decks, plaza decks, green roofs

ADVANTAGES

Key advantages:

- Superior elasticity
- Extreme temperature resistance
- Puncture and tear resistance
- Chemical resistance
- Easy application

TECHNICAL PROPERTIES

Thickness (EN 1849-1 / ASTM D5147)	3 / 4 / 5 mm (± 5%)
Reinforcement	180 g/m ² non-woven polyester
Tensile Strength L/T (EN 12311-1 / UEAtc)	750 – 1050 N/5 cm
Elongation L/T (EN 12311-1)	40 – 50%
Puncture Resistance – Static (EN 12730)	25 kg
Puncture Resistance – Dynamic (EN 12691)	1750 mm
Softening Point (ASTM D36)	118°C
Water Absorption (ASTM D570)	≤ 0.4%
Cold Flexibility (EN 1109)	-5°C
Tear Resistance, Nail Shank (EN 12310-1)	180 (wide) / 200 (long)

Values may vary ± 10% per batch. Complies with ASTM, EN and UEAtc standards.

SURFACE PREPARATION

Clean, dry and prepare the substrate before installing the membrane.

INSTALLATION

- Torch the underside of the membrane while unrolling
- Overlap 100 mm at sides and 150 mm at ends
- Heat-seal all laps for watertight bonds

PROTECTION

- Vertical surfaces: use CasTech Board for backfill protection
- Horizontal surfaces: apply a 25 mm screed or surface finish

PACKAGING

- Standard: 1 m × 10 m rolls
- Custom sizes: available on request

STORAGE AND SHELF LIFE

Store rolls palletized, under shade and away from direct heat and sunlight. Shelf life is 12 months in original packaging.

HEALTH AND SAFETY

PPE: Wear gloves.

Additional information: Refer to MSDS for handling guidelines (available on request).

Product Data Sheet

CasTech Proof SBS

Nov-2025, Ver. 01.01



TECHNICAL SUPPORT

CasTech provides on-site assistance and consulting services on

projects when requested. Technical data sheets on other CasTech products and guidance on their use are available on request.

CasTech MIDDLE EAST FZE

T6-04, Sharjah Airport Free Zone, Sharjah, UAE

P.O. Box: 121661 Tel.: +971-6-5489207

Fax: +971-6-5579879 Email: info@castechchem.com