KREVO Proof Torch

Polymer-modified bitumen torch-on waterproofing membrane | APP & SBS | 3-4 mm

PRODUCT DESCRIPTION

KREVO Proof Torch is a family of heavy-duty, torch-applied waterproofing sheet membranes. The polyester-reinforced, polymer-modified bitumen construction is designed to form a bonded water- and vapour-resistant barrier on suitably prepared roofs, concrete slabs and below-grade structures. APP- and SBS-modified grades are available in nominal 3 mm and 4 mm thicknesses.

ADVANTAGES

- Heavy-duty waterproofing membrane with reliable adhesion to sound horizontal and vertical substrates.
- Designed for resistance to tearing, puncture and water-vapour transmission.
- Resistant to chlorides, sulphates, alkalis and acids under suitable service conditions.
- Available as 3 mm or 4 mm APP and SBS modified-bitumen grades.
- Choice of standard, sand and slate finishes; anti-root SBS option available on request.

TYPICAL USES

Below-grade waterproofing • Above-grade waterproofing • Concrete slabs • Roof decks and terraces • Foundations and retaining structures • Buried structural elements requiring protection from water ingress.

PRODUCT INFORMATION

PARAMETER	SPECIFICATION
Material type	Polyester-reinforced, polymer-modified bitumen sheet membrane
APP grade / nominal thickness	3A: 3 mm | 4A: 4 mm
SBS grade / nominal thickness	3S: 3 mm | 4S: 4 mm
Surface finishes	Standard, sand and slate
Special grade	Anti-root SBS membrane available on request
Standard roll dimensions	1 m wide × 10 m long
Storage conditions	Store dry and shaded on wooden pallets; protect from sunlight
Primer compatibility	Suitable compatible solvent-based or water-based bituminous primer

TECHNICAL PERFORMANCE SPECIFICATION

PROPERTY / TEST METHOD	SPECIFIED VALUE
Tensile strength, longitudinal	800 N / 5 cm
Tensile strength, transverse	600 N / 5 cm
Elongation	40-50%
Water absorption	Less than 0.15%
Static / dynamic puncture resistance	L4 / T2
Heat resistance - SBS grades (3S / 4S)	125 °C
Heat resistance - APP grades (3A / 4A)	100 °C
Hydrostatic-head resistance	Up to 70 m
Volatile organic content	0 g/L

Application & System Data

KREVO Proof Torch | Grade selection, priming, laps and substrate preparation

APPLICATION PROPERTIES

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Primer coverage	4-6 m^2/L	Repriming interval	If left over 24 h
Minimum overlap	100 mm	End laps	Stagger adjacent laps
Surface condition	Dry and frost-free	Concrete moisture	Not over 5%
Installation method	Controlled gas torch	Vertical installation	From bottom upwards
Primer condition	Dry to tack-free	Protect exposed standard finish	Use suitable protection

Apply an approved compatible bituminous primer uniformly at about 4-6 m^2/L and allow it to dry to a tack-free condition before torching. Reprime if the prepared and primed surface remains uncoated for more than 24 hours. Use a minimum 100 mm membrane overlap and stagger end joints.

TYPICAL TORCH-ON WATERPROOFING SYSTEM

STAGE	MATERIAL / METHOD
1 | Substrate	Sound, float-finished and dry concrete; remove sharp projections and contaminants
2 | Junction details	Provide sand-cement coves at wall / floor changes of plane and prepare corner pieces
3 | Primer	Compatible solvent-based or water-based primer, about 4-6 m^2 per litre
4 | Waterproofing sheet	Torch-bond selected KREVO Proof Torch grade; minimum 100 mm overlaps
5 | Protection / termination	Dress seams; secure edges and fit protection boards / approved surfacing as needed

SUBSTRATE PREPARATION

Concrete must be compacted, even and float-finished, with no sharp edges, voids, projections or friable material. All bonding surfaces must be dry and free from frost, laitance, oils, dust and loose deposits. Repair cavities and cracks first. Form a smooth mortar fillet at slab-to-wall junctions before laying the waterproofing sheets.

PRIMER, LAP & MOISTURE CONTROL

Inspect primer dryness and all substrate conditions immediately before work. Complete critical detail pieces before installing large sheet areas. Never torch onto damp, frozen or contaminated surfaces.

CONTROL POINT	APPLICATION REQUIREMENT
Substrate moisture	Concrete surface moisture at or below 5%; no visible dampness or frost
Primer and open time	Allow to dry tack-free; reprime if left longer than 24 h
Overlap and detailing	Minimum 100 mm laps; stagger end laps; pre-form corner reinforcement

All laps, terminations, corner details, and vertical upstands must be inspected for continuous fusion and protection against water tracking behind the membrane.

TORCH-ON INSTALLATION METHOD

Unroll and align the membrane before bonding. Heat the substrate and embossed underside evenly using a controlled gas torch; bond once the embossed film has softened. Roll forward under even pressure and form a continuous bond without trapping air. Work from the lowest point upwards on inclined or vertical surfaces. Seal terminations against water ingress and protect the finished membrane where exposure or damage is likely.

Installation & Product Support

KREVO Proof Torch | Torch-fusion procedure, protection, limitations and international contacts

INSTALLATION GUIDELINES

- Review membrane grade, substrate condition, drawings, lap orientation and hot-work permits before starting.
- Prepare and prime all surfaces; form mortar coves at wall-to-slab junctions and reinforce corners first.
- Align KREVO Proof Torch sheets, heat the underside and substrate evenly, and bond while rolling forward.
- Press down each course to obtain full contact, stagger end laps, and form minimum 100 mm overlaps.

SEAMS, TERMINATIONS & PROTECTION

- Seal membrane edges, terminations, penetrations and upstands to prevent water migration behind sheets.
- Apply corner detail pieces before the field membrane; dress all side and end laps for complete fusion.
- Install a suitable protective board where backfilling, mechanical impact or construction traffic is expected.
- Standard-finish membrane must not remain in prolonged direct sunlight; choose sand or slate finish for exposure.

LIMITATIONS & SERVICE NOTES

- Do not apply to concrete exceeding 5% surface moisture or to wet, frosty or unsound substrates.
- Standard-finish sheets are not UV resistant; protect or select a sand / slate-finished surface for exposure.
- The membranes are not resistant to hydrocarbons such as fuel, mineral oil and many solvents.
- Handle and protect sheets to prevent puncture, tears and damage during subsequent trades.
- Solvent-based bitumen primers may be flammable; prohibit smoking and control every ignition source.

HEALTH, SAFETY & ENVIRONMENT

For professional use by trained waterproofing installers. Review the current Safety Data Sheets for the membrane, primer and fuel. Torch work requires suitable hot-work controls, fire-watch arrangements, available extinguishers and ventilation. Wear heat-resistant gloves, eye protection, protective clothing and appropriate respiratory protection. Do not torch near flammable vapours or store primer near flames.

QUALITY & PRODUCT INFORMATION

Waterproofing performance depends on the selected membrane grade, correct primer compatibility, dry substrate conditions, fully fused laps and properly terminated edges. Confirm roll dimensions and supplied-grade performance against KREVO quality-control records. Use project-specific detailing and inspections for critical underground and roof applications.

KREVO | GLOBAL CONTACTS

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