

Technical Data Sheet

Date of compilation: 16/05/2023

ARC FLASHING TAPE

DESCRIPTION

Arc Flashing Tape is a multi-purpose self-adhesive sealing band designed for flashing and detailing a variety of surfaces. With outstanding adhesion properties of SBS modified bitumen and adhesive additives, the product is ideal for sealing internal and external surfaces that require protection against moisture ingress, vibration and flexing.

Arc Flashing Tape provides an instant seal to the surface it is applied to, avoiding down time for drying or curing. Ideally suited for waterproofing, roofing and general building applications.



TECHNICAL DATA

ITEMS		SPECIFICATION
Weight g/m ²		≥1000
Tensile Property	Tension N/50mm	≥350
	Elongation /Max. Tension	≥3%
Decibels Isolated		46 decibels
Breaking force	Longitudinal Direction	650N
	Transverse Direction	520N
Heat Resistance (90°C)		No slipping, flowing or dripping
Low Temperature Flexibility		-30°C
Water Resistance		0.001Mpa, 24hours
Water Absorption		≤1%
Peel Strength	Membranes (N/mm)	≥1.0
	Aluminium sheet (N/mm)	≥1.5
Heat Aging	Elongation /Max. Tension	≥30%
	Low Temperature Flexibility	-18°C
	Peel Strength Aluminium sheet (N/mm)	≥1.5
	Dimensional Stability	≤1.5%
Self-adhesive Bituminous Peel strength (N/mm)		≥1.5
Adhesion Strength with Concrete or Metal		≥0.2Mpa
Nail Shank Tear Resistance		≥60N
Shear Strength of Adhesive Bond		1.5KN/m

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FEATURES

- 1) Peel and stick application.
- 2) Excellent thermal stability.
- 3) Flexible.
- 4) Excellent adhesive properties over a variety of surfaces.
- 5) Easy workability and deformability over substrates.
- 6) Outstanding adhesion retention at low temperatures.
- 7) Instant sealing properties, no drying required.
- 8) Rupture and tear resistant.
- 9) Solvent free and non toxic.
- 10) Ability to cover over with coatings.
- 11) Compatible with cement based finishes, e.g. tile adhesive, renders, textures etc.

APPLICATIONS

Suitable for commercial, industrial, residential and general applications.

- 1) Sealing wall/floor junctions.
- 2) Guttering & roofing.
- 3) Reinforcement bond breaker.
- 4) Sealing roof sheet joints and lapped areas.
- 5) Flashing galvanised and zincalume surfaces.
- 6) Detailing over plumbing pipes, pvc, flashings etc.
- 7) Crack repairs on concrete floors before tiling, screeds, toppings.
- 8) Noise reduction and thermal insulation through gaps and voids.
- 9) Patching pin holes and pitted areas on metal surfaces.
- 10) Flashing brickwork, gypsum, pre-cast concrete, timber and structural sheeting.
- 11) General maintenance on surfaces to be covered over with surface finishes.

CONSTRUCTION

1. Substrates

Butyl Waterproofing Tape will adhere to most building surfaces, including:

- 1) Primed or dense concrete.
- 2) Timber.
- 3) Structural sheeting.
- 4) Glazed surfaces.
- 5) Gypsum boards and brickwork.
- 6) Marble, granite and ceramics.

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- 7) Plastics and polycarbonate.
- 8) Galvanised iron, zincalume, copper, aluminium, colorbond and most metals

2. Surface Preparation

- 1) Surfaces must be clean, smooth and dust free.
- 2) Surfaces must be dry and free of any residual moisture.
- 3) For any porous surface that contains surface dust or residue, prime or seal the substrate first.
- 4) Rough surfaces must be levelled or smoothed.
- 5) All metals must be free of oils, grease and wax residues.

3. Installation

- 1) Unroll the Tape and measure the required length. Cut the tape using scissors or a sharp cutter knife.
- 2) Remove release paper from the butyl rubber side and position the tape in place, ensuring the fabric face is exposed upwards.
- 3) Press into place with a spatula, roller, sponge or cloth, ensuring air pockets and creases are pushed out.
- 4) For large runs over joint areas, consider removal of release paper as the tape is being unrolled and adhere into position.
- 5) Finishes can be applied immediately after the tape is in place.

OPERATION ATTENTION

- 1) Not to be used as a trafficable surface.
- 2) Not to be used over expansion joints.
- 3) Concrete surfaces containing residual moisture must be sealed with vapour barrier primer or equivalent before applying tape.
- 4) Do not apply solvent based surface finishes or adhesives directly over this product.
- 5) Not to be used as an exposed flashing, must be finished over with a surface covering.
- 6) Train before operation. That adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts.

STORAGE & AVAILABILITY

Best stored at room temperature in dry internal conditions.
Not affected by frost, or cold floors.
Properties of product will be unchanged if stored correctly.

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Length: 10m

Width: 75mm, 100mm, 150mm, 225mm, 300mm, 450mm

NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail technical@arcbuildingproducts.ie. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.