

Mapetape

Reinforced aluminium or copper self-adhesive sealing tape



WHERE TO USE

Mapetape is a cold-applied, self-adhesive bituminous tape used for waterproofing and sealing roofs, flat roofs, sandwich panels, cracks and gaps, joints of pipes and gutters in civil and industrial buildings.

Ideal for maintenance work and repairs to roofs and flat roofs.

Some application examples

- Protecting metal, plastic, fibre-cement, roofs and flat roofs in general.
- Sealing window and door fittings, skylights, parapets, construction features and glass and plastic structures.
- Repairing tiles, gutters, bituminous membranes, paved surfaces and metal tubes.

TECHNICAL CHARACTERISTICS

Mapetape is a sealing tape comprising polymer based bitumen and laminated to a thin strip of pre-painted metal reinforced with a layer of polyester (aluminium or lead colour) or with a film of natural copper (bright copper colour).

The self-adhesive side is protected with a removable film of silicon.

RECOMMENDATIONS

- **Mapetape** is not suitable for sealing against water under pressure.
- If applied when the temperature of the lower substrate is less than +5°C, warm up **Mapetape** bituminous tape and/or the substrate with hot air.
- If applied on surfaces with a slope of more than 45°, we recommend checking that the maximum working temperature of **Mapetape** will not exceed +65°C.

- The bitumen in the tape may discolour plastic or natural stone.
- Do not apply **Mapetape** on substrates with rising damp or bleeding.
- Substrates must be dry when applying **Mapetape**.
- The copper coloured finish is made from natural copper and so the surface may oxidise, causing the copper to discolour (dark brown and green).

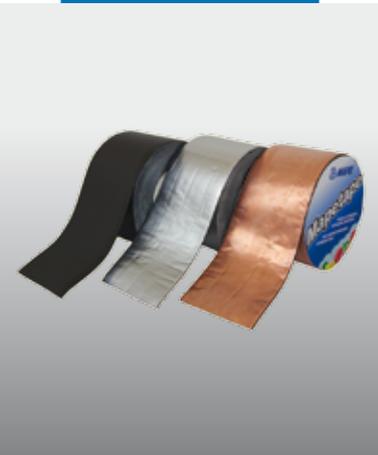
APPLICATION PROCEDURE

Remove all detached or loose parts manually or mechanically, such as form-release compounds, cement laitance, old paint, rust, mildew and dust. Substrates must be clean, compact and dry when applying the tape.

On substrates with a particularly absorbent or inconsistent surface, apply a suitable MAPEI primer beforehand: since there are numerous different application conditions, consult our Technical Services Department beforehand to get the most suitable, personalised advice.

Choose the most appropriate version of **Mapetape** self-adhesive bituminous tape according to the width and colour of finish required. Cut the **Mapetape** to the length required. Remove the film of silicon from the adhesive side and position the tape so that it overlaps the construction feature to be waterproofed. Press the tape with a roller or soft rag so that it adheres completely to the surface of the substrate, especially in the areas in the substrate with different levels. Overlap the joints in the strips of **Mapetape** by at least 5 cm.

Heating **Mapetape** with hot air makes it easier to shape and adhere.



TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Appearance:	self-adhesive bitumen and polymer-based tape protected on the surface with a strip pre-painted aluminium or natural copper
Colour:	– support: black – finish: aluminium, lead or bright copper
Total thickness:	1.5 mm
Dry substances content (%):	100
Density (g/cm³):	1.5
Elongation at failure (longitudinal or transversal) (EN 12311-1):	> 20% (copper 10%)
Longitudinal or transversal tensile strength (EN 12311-1):	> 200N/50 mm (copper 400N/50 mm)
Fire classification:	B2 according to DIN 4102
Application temperature:	from +5°C to +45°C
In service temperature range:	– from -20°C to +80°C (application on horizontal surfaces) – from -20°C to +65°C (application on vertical surfaces or surfaces with a slope of more than 45°)

When sealing complicated shapes (circular crowns, horizontal/vertical hems, etc.), we recommend carrying out preliminary tests with **Mapetape** without removing the film of silicon. Where necessary, place various pieces of tape alongside each other or cut them to shape and overlap them to get the best cover.

CONSUMPTION

In metres.

Cleaning

Remove traces of bitumen with normal synthetic thinners or nitrate.

PACKAGING and SIZES

Colour	Width of tape	Length of tape	Thickness of tape	Number of rolls per box	Metres per box
aluminium	50 mm	10 m	1.5 mm	6	60
	100 mm			3	30
	150 mm			2	20
	200 mm			3	30
lead	50 mm	10 m	1.5 mm	6	60
	100 mm			3	30
	150 mm			2	20
	200 mm			3	30
copper	100 mm	10 m	1.5 mm	3	30
	150 mm			2	20
	200 mm			3	30

COLOURS

Support: black self-adhesive bituminous tape with a removable, protective film of silicon.
Upper surface: pre-painted metallic strip (aluminium or lead colour) or a film of natural copper.

STORAGE

24 months in its original packaging at a temperature of +5°C to +30°C away from direct sunlight and damp. Withstands frost.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com



BUILDING THE FUTURE