

## Rasco SAM Strip (Thickness 1.5 mm)

Cold-applied self-adhesive membrane strip for waterproofing buildings and structures in accordance with DIN 18533, EN 13969 and DIN V 20000-202

Self-adhesive, flexible, crack-bridging strips made from polymer-modified bitumen with a tear-resistant, cross-laminated HDPE carrier film on one side. They are available as strips in a range of widths.

For usage in system with [Rasco self-adhesive membranes](#). As strengthening agent, for example hollow grooves, on wall-slab joints, at internal and external corners and edges, for sealing over expansion joints, for coating expansion-joints profiles. It can be also applied for sealing window- and door frames.



It can be applied to vertical and horizontal surfaces, foundation slabs, foundations and cellar walls. Can be used on all known and suitable mineral substrates.



### PRODUCT FEATURES

- Solvent-free and environmentally friendly
- Self-adhesive, flexible, crack-bridging
- Applicable all year round
- Clean, easy and fast use
- Immediate resistance to water and driving rain
- As dampproof course below screed
- No drying time needed
- Polymerised bitumen on cross-laminated, tearproof HDPE carrier film
- Impervious to radon
- For strengthening of corners, edges and hollow edges within the [Rasco-SAM-System](#)
- Frost-free at least 12 months shelf-life

### TECHNICAL DATA

Thickness	1.5 mm
Width	50 mm to 1,000 mm (customised)
Weight	depending on width
Water vapour permeability	Sd-value 235 m
Resistance to hydrostatic pressure*	8 bar (80 m) passed
Working temperature**	-5°C to +30°C



\* Examination was carried out using a test unit from company "Form+Test Seidner" type "DP 3 MM". High pressure load testing was carried out over a period of 5 days. No connection to actual circumstances and requirements on the building site exists.

\*\* Temperature: component, installation and ambient temperature

### DELIVERY UNITS

customised

## CE-MARKING

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<b>13</b> <b>CPR-DE1/9043</b> <b>EN 13969:2004+A1:2006</b> <b>Rasco SAM Strip (Thickness 1.5 mm)</b> <i>Cold self-adhesive polymer bitumen membrane for waterproofing</i>	
Reaction to fire	Euro Class E
Water tightness	passed
Resistance to impact-proof	proof, method: A: ≤ 200 mm
Shear resistance of joints	npd
Flexibility at low temperature	≤ -30°C
Tensile strength:	
max. tensile force: MD/CD	240 ± 40 N / 50 mm
elongation: along	370 ± 100%
across	320 ± 80%
Resistance to static loading	Proof, method: B: ≤ 5 kg
Resistance to tearing	140 ± 40 N
Durability of water tightness after artificial aging	passed
Durability of water tightness against chemicals	passed
Dangerous substances	none

## GENERAL NOTES

In case of sealing or maintenance work the relevant standards and guidelines must be followed.

## SUBSTRATE PREPARATION

- Preparation of the substrate is always to be carried out in accordance with DIN 18533 part 2.
- The substrate must be sufficiently dry, level, stable, frost-protected, clean and without traces of oil, grease, tar, honeycombing, cracks, dust, dirt, residue mortar or other potential contaminants.
- Edges should be broken and inside joints rounded out with suitable material.
- **Rasco SAM Strip (Thickness 1.5 mm)** has to be protected with suitable material against water seepage between membrane and substrate where necessary.
- Mineral substrates have to be prepared using **Rasco SAM Primer Special** (approx. 0.20 l/m<sup>2</sup> - 0.30 l/m<sup>2</sup>) at temperatures of +5 °C to +30 °C or at temperatures of -5 °C to +30 °C using **Rasco SAM Primer** (approx. 0.20 l/m<sup>2</sup> - 0.30 l/m<sup>2</sup>) according to DIN 18533 part 2.
- Open butt joints up to 5 mm in size should be filled by means of a scratch coating using a **Rasco 2K bitumen thick coating**.
- Open butt joints or pits > 5 mm must be filled using a suitable mortar.

## APPLICATION

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Rasco SAM Strip (Thickness 1.5 mm) is to be cut to the necessary length and application should always start at a corner. Always work from top to bottom.

### Procedure:

- Remove approx. 30 cm of the protective paper at the top edge and apply strip even to the substrate.
- Peel back the protective paper slowly and apply the strip evenly and crease-free, using a suitable brush or rag for example to press it onto the substrate. Work from the centre to the edges.
- Press the applied membrane firmly onto substrate using a rubber roller for example.
- Apply further membranes by overlapping approximately 10 cm and roll over the joint area using a rubber roller.
- Proceed in the same manner with all further strips.
- The top edge of vertical areas has to be secured using **Rasco Edging Tape Fleece**, **Rasco Alu SAM Edging Tape** or suitable edging strips.

## SPECIAL NOTES

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- Optimum and complete adhesion to the substrate is achieved after approximately 24 hours.
- Use **Rasco SAM Compound Tape** for horizontal joints, pipe passageways and other details as adhesion enhancer.
- Waterproofing is to be protected in accordance with DIN 18533 part 1.
- Insulation and draining panels can be glued onto the membrane using **Rasco 2K bitumen thick coatings**.
- Protect **Rasco SAM Strip (Thickness 1.5 mm)** from intense heat, frost and moisture before and during application.
- Do not weigh down stored rolls.
- Please note the Declaration of Performance (accessible at <http://www.rasco-bitumen.com/>)

**Note:** The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the Rasco product installation. For the most up-to-date TDS and warranty information, please visit our website at [www.rasco-bitumen.com](http://www.rasco-bitumen.com). Any alterations to the wording or requirements contained in or derived from this TDS shall void all related Rasco warranties.

**Issue 03:** This document has been updated with respect to the release of the new waterproofing standard DIN 18533. When this version is updated it will lose its validity.