

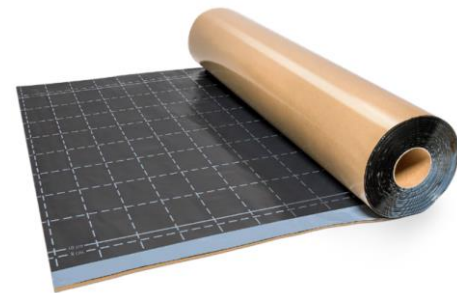
Rasco SAM with vulcanisation strip (Thickness 1.5 mm)

Cold-applied self-adhesive bituminous sealing membrane for waterproofing of structures in accordance with DIN 18533, EN 13969, DIN V 20000-202 and for use as a dampproof course in accordance with EN 14967

The 25 mm vulcanisation strip consists of pure bitumen compound. The purpose is to achieve better joints between the materials by sticking compound on to compound and so ensuring even better sealing.

Protects underground structures according to DIN 18533 part 2 permanently against W1-E (ground damp and pressure-free water) and W4-E (splash water and ground damp at wall base as well as capillary water in and under walls) and can be used as dampproof course below screeds. It can also be applied to balconies, loggias and pergolas in accordance with DIN 18531 part 5.

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
- Impervious to radon
- 25 mm vulcanisation strip for secure adhesion of seams
- Polymerised bitumen on cross-laminated, tearproof HDPE carrier film with grid
- Frost-free at least 12 months shelf-life

TECHNICAL DATA

Thickness	1.5 mm
Width	1,000 mm (975 mm + 25±5 mm vulc. strip)
Weight	1.5 kg/m ²
Water vapour permeability	Sd-value 235 m
Resistance to hydrostatic pressure*	8 bar (80 m) passed
Reaction to fire	Class E
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

20 rm / carton | 15 cartons / pallet | pallet weight approx. 550 kg



15 rm / carton | 15 cartons / pallet | pallet weight approx. 430 kg

5 rm / carton | 24 cartons / pallet | pallet weight approx. 250 kg

CE-MARKING EN 13969

 0761	 Bitumentchnik GmbH Otto-von-Guericke-Ring 11 - 65205 Wiesbaden www.bitumentchnik.de
13 CPR-DE1/9042 EN 13969:2004 + A1:2006 Rasco SAM with vulcanisation strip (Thickness 1.5 mm) <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	230 ± 80 N / 50 mm
Flexibility at low temperature	$\leq -30^{\circ}\text{C}$
Tensile strength:	
max. tensile force: MD/CD	240 ± 40 N / 50 mm
elongation: along	$370 \pm 100\%$
across	$320 \pm 80\%$
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

CE-MARKING EN 14967

 0761	 Bitumentchnik GmbH Otto-von-Guericke-Ring 11 - 65205 Wiesbaden www.bitumentchnik.de
13 CPR-DE1/9042 EN 14967:2006 Rasco SAM with vulcanisation strip (Thickness 1.5 mm) <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
Durability of water tightness after artificial aging/ decomposition	passed
Durability of water tightness against chemicals	passed
Flexibility at low temperature	$\leq -30^{\circ}\text{C}$
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 with vulcanisation 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^2 - 0.30 l/m^2) at temperatures of $+5^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ or at temperatures of -5°C to $+30^{\circ}\text{C}$ using **Rasco SAM Primer** (approx. 0.20 l/m^2 -

SUBSTRATE PREPARATION

- 0.30 l/m²) 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

It is advisable to apply **Rasco SAM Corner Tape** to all inside and outside corners as well as all wall / floor joints before application of **Rasco SAM with vulcanisation strip (Thickness 1.5 mm)**.

Rasco SAM with vulcanisation 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 membrane even to the substrate.
- Peel back the protective paper slowly and apply the membrane 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 membranes.
- The top edge of vertical areas has to be secured using **Rasco Edging Tape Fleece**, **Rasco Alu SAM Edging Tape** or suitable edging strips.

Additional information about L- or Z-Sealing:

- At double leaf walls (veneers) the membrane is applied behind the veneering at the outside of the inner skin and ends if applicable in the masonry (Z-sealing)
- If applied as L-sealing the cutting edge of the membrane has to be turned down in the joint area to ensure an overlap of the bitumen mass.
- Horizontal forces on the walls (e.g. by earth pressure) has to be excluded.
- The load on the membrane by the masonry should not exceed 0.2 MN/m²
- The contact surfaces for the veneer have to be horizontal and without any membrane harming irregularities.

SPECIAL NOTES

- 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 with vulcanisation 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. Any alterations to the wording or requirements contained in or derived from this TDS shall void all related Rasco warranties.

Issue 05: This document was updated with respect to the width of vulcanisation strip. When this version is updated it will lose its validity.