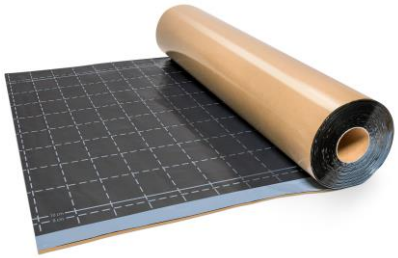
Rasco SAM S (Thickness 1.5 mm)

Cold-applied self-adhesive bituminous sealing membrane for waterproofing of structures especially at high temperatures in accordance with EN 13967, EN 13969 and 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 permanently against ground damp (capillary water, retained water), non-standing seepage water and pressure-free water.

It can be applied to vertical and horizontal surfaces, foundation slabs, foundations, balconies, terraces, underground garages and cellar walls as well as all known and suitable mineral substrates.

PRODUCT FEATURES

- Solvent-free and environmentally friendly
- Self-adhesive, flexible, crack-bridging
- Clean, easy and fast use
- Immediate resistance to water and driving rain
- As dampproof course below screed
- No drying time needed
- Impervious to radon
- Impervious to methane
- 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/m²
Water vapour permeability	Sd-value 165 m
Resistance to hydrostatic pressure*	8 bar (80 m) passed
Reaction to fire	Class E
Working temperature**	+10°C to +45°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 13967

CE 0761	Rasco Bitumentechnik GmbH **Otto-von-Guericke-Ring 11 - 65205 Wiesbaden** **www.bitumentechnik.de**
16 **CPR-DE1/9051** **EN 13967:2012** **Rasco SAM S (Thickness 1.5 mm)** *Cold self-adhesive plastic sheet for waterproofing*	

Reaction to fire:			Euro Class E
Water tightness:			passed
Resistance to tearing:			130 ± 30 N
Shear resistance of joints:			230 ± 50 N/50mm
Resistance to impact-proof:			proof, method A: ≤ 250 mm
Tensile strength:	max. tensile force	MD/ CD:	250 ± 50 N/ 50 mm
	elongation:	along:	375 ± 125 %
		across:	320 ± 100 %
Resistance to static loading:			proof, method B: ≤ 5 kg
Durability of water tightness against artificial aging:			passed
Durability of water tightness against chemicals:			passed
Dangerous substances:			none

CE-MARKING EN 13969

CE 0761	Rasco Bitumentechnik GmbH **Otto-von-Guericke-Ring 11 - 65205 Wiesbaden** **www.bitumentechnik.de**
16 **CPR-DE1/9051** **EN 13969:2004 + A1:2006** **Rasco SAM S (Thickness 1.5 mm)** *Cold self-adhesive polymer bitumen membrane for waterproofing*	

Reation to fire:			Euro Class E
Water tightness:			passed
Resistance to impact-proof:			proof, method A: ≤ 250 mm
Shear resistance of joints:			230 ± 50 N/50 mm
Cold bending			≤ -20°C
Tensile strength:	max. tensile force:	MD/ CD:	225 ± 50 N/ 50 mm
	elongation:	along:	360 ± 80%
		across:	270 ± 70 %
Resistance to static loading:			proof, method B: ≤ 5 kg
Resistance to tearing:			130 ± 30 N
Durability of water tightness against artifical aging:			passed
Durability of water tightness against chemicals:			passed
Dangerous substances:			none

CE-MARKING EN 14967

CE 0761	Rasco Bitumentechnik GmbH Otto-von-Guericke-Ring 11 - 65205 Wiesbaden www.bitumentechnik.de
16 CPR-DE1/9051 EN 14967:2006 Rasco SAM S (Thickness 1.5 mm) *Cold self-adhesive polymer bitumen damp proof membrane for waterproofing*	
Reaction to fire:	Euro Class E
Water tightness:	passed
Resistance to impact-proof:	proof, method A: ≤ 250 mm
Durability of water tightness after artificial aging/ decomposition:	passed
Durability of water tightness against chemicals:	passed
Flexibility at low temperature:	≤ -20°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 professional.
- 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.
- Rasco SAM S (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. 0.1 l/m² - 0.15 l/m²)
- 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 S (Thickness 1.5 mm). Rasco SAM S (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 perpendicularly 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 firm pressure.
- 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 SAM Edging Tape or suitable edging strips.

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 always to be protected with suitable sheets, thermal insulation or coverings. If necessary, attention should be paid to national norms or guidelines.
- Insulation and draining panels can be glued onto the membrane using Rasco 2K bitumen thick coatings.
- Protect Rasco SAM S (Thickness 1.5 mm) from frost, moisture and heat more than 45 °C before and during application.
- Do not weigh down stored rolls.
- Please note the Declaration of Performance (accessible at http://www.rasco-bitumen.com/)

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