

KSK-Abdichtungsbahn

Cold self-adhesive bitumen waterproofing sheet



Material number	Length	Width, article	Material strength	Contents	Packaging	Colour
205041001	15 m	100 cm	approx. 1.5 mm	1	Roll	Black

Product features

- Cold self-adhesive waterproofing membrane
- Masonry work barrier membrane in accordance with DIN EN 14967
- Flexible and tear resistant
- Radon tight

Advantages

- Immediately resistant to water and driving rain
- Crack bridging
- Bitumen-compatible

Fields of application / waterproofing

- As retroactive building waterproofing in accordance with WTA datasheet 4-6
- As an adhesive for insulation, protection and drainage boards
- As a wall sealing membrane for L- and Z-waterproofing in double-layer masonry work (DIN EN 14967)
- As an inlay in thick layer coatings

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Technical Data

Material properties

Product components	Roll goods
Base material	Composite polymer bitumen and HDPE carrier film
Surface weight	approx. 1.7 kg/m ² ± 5%
Crack bridging DIN 28052-6 (PG MDS/AIV)	> 5 mm
Waterproofing membrane cold bending procedure DIN EN 1109	-30 °C
Heat resistance (DIN 52123)	70 °C
Watertightness DIN EN 1928 (procedure B)	60 kPa / 24 hours
Water vapour diffusion coefficient μ	< 71400
Tensile force, lengthwise in accordance with DIN 527-3	approx. 200 N / 50 mm
Tensile force, crosswise in accordance with DIN 527-3	approx. 200 N / 50 mm
Expansion, lengthwise (DIN EN ISO 527-3)	approx. 150 %
Expansion, crosswise (DIN EN ISO 527-3)	approx. 150 %
Resistance against static loads DIN EN 12730 (procedure B)	20 kg/24 h
Tear resistance in accordance with DIN EN 12310-1	> 140 N
Resistance against shock loads (procedure A)	approx. 200 mm
Resistance against shock loads (procedure B)	approx. 600 mm
Shear resistance of the joint seams	> 200 N / 50 mm
Sd value	> 107 m
Resistance to chemicals	Passed
Resistance to ageing	Passed
Classification of the reaction to fire in accordance with DIN EN 13501-1	E

Application

Substrate/application temperature	from 5 °C to 35 °C
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Application technology

Aids/tools

- Scissors/knife
- Pressure roller

Substrate preparation

Requirement for substrate

1. Dry
2. Load-bearing
3. Even
4. Sealed in the surface
5. Free of adhesion inhibiting substances

Preparing the surface

1. Apply primer consisting of ASOL-FE (diluted 1:1 with water).
2. The primer must be completely dry / must have reacted fully before the subsequent work steps are carried out.
3. For transitions to cementitious waterproofing, e.g. AQUAFIN®-RB400, a primer can be omitted.

Preparing the details

1. Edges are to be chamfered and corners are to be rounded.
2. Depressions > 5 mm and mortar pockets, plaster grooves in brickwork, open butt or bed joints, damaged areas, large pored substrates or uneven masonry work must be levelled in advance with ASOCRET-M30 (cement-based mortar).
3. Negative water pressure cannot be absorbed by KSK-Abdichtungsbahn. Waterproof areas where this is expected with AQUAFIN®-1K.
4. Pre-screen internal corners / floor transitions with AQUAFIN®-1K or ASOCRET-M30 in a consistency that is able to screen. Apply a covered fillet while still wet using ASOCRET-M30. After curing, recoat the area including the base slab face with AQUAFIN®-1K.

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Usage

Application

1. Bond all joints, edges, corners and coves with an approx. 30 cm wide reinforcing strip of KSK waterproofing sheet FB / KSK waterproofing sheet before laying over the entire surface.
2. Cut KSK-Abdichtungsbahn to the desired length.
3. Peel off the release film on the back and stick it to the end of the waterproofing membrane with an overlap of ≥ 8 cm and press on firmly.
4. Press the sheet down firmly, free of wrinkles and air bubbles.
5. Alternatively, butt joints can be covered with KSK waterproofing membrane FB.
6. A minimum overlap of 10 cm is required for connections.
7. The ends of the sheets must be secured against detachment or moisture penetration by means of plastering rails or cross-cut strips. Alternatively, the ends of the sheets can be secured with KSK finishing tape.
8. Protective, drainage or insulation boards can be glued with COMBIDIC[®]-2K-CLASSIC or COMBIDIC[®]-2K-PREMIUM.

Storage conditions

Storage

Cool, dry, protected from sunlight. Min. 12 months in the original container.

Disposal



Hand over product residues to approved disposal companies.

Notes

- Protect surfaces that are not to be treated from the effects of KSK-Abdichtungsbahn!
- Store KSK-Abdichtungsbahn at room temperature (approx. $+20$ °C) until immediately before applying and only apply in dry weather.
- Do not store or apply KSK-Abdichtungsbahn in direct sunlight.
- Do not apply KSK-Abdichtungsbahn to damp substrates.
- KSK-Abdichtungsbahn may not be glued or overcoated afterwards with products containing solvents.

Annotations

Conformity / Declaration / Verification

	
SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 14 2 05041	SCHOMBURG GmbH & Co. KG Aquafinstraße 2-8 D-32760 Detmold (Germany) 05 2 05041
EN 14967 KSK-Abdichtungsbahn Cold self-adhesive bitumen membrane as wall barrier membrane	DIN EN 13969 KSK-Abdichtungsbahn Cold self-adhesive bitumen membrane for waterproofing buildings against ground moisture and water - type A and type T, PE foil with polymer bitumen
Watertightness passed Resistance against shock loads ≥ 200 mm (procedure A) passed ≥ 600 mm (procedure B) Resistance against chemicals passed Resistance against ageing passed Cold bending characteristics ≤ -30 °C Class E Reaction to fire Class E	Reaction to fire class E Tension-strain characteristics Tensile strength characteristics in the longitudinal direction ≥ 200 N / 50 mm Tensile strength characteristics in the transverse direction ≥ 200 N / 50 mm Elongation characteristics in the longitudinal direction $\geq 150\%$ Elongation characteristics in the transverse direction $\geq 150\%$ Resistance to static loading Procedure B: 5 kg Resistance against tear propagation ≥ 140 N Resistance against shock loads ≥ 200 mm (procedure A) ≥ 600 mm (procedure B) Shear resistance of joint seams ≥ 200 N/50 mm Cold bending characteristics ≤ -30 °C Watertightness passed Resistance against ageing passed Resistance against chemicals passed

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Impact classes and typical applications in accordance with DIN 18533

Impact classes and typical applications in accordance with 18533		
Water exposure class	Water exposure	Example applications
W1-E	Ground moisture and non pressure water	<ul style="list-style-type: none"> o Capillary-bound water and water transported by capillary force even against gravity
W1.1-E	Ground moisture and non pressure water for floor slabs and walls in direct ground	<ul style="list-style-type: none"> o Highly permeable subsoil o Highly permeable back-filling of the building pit o Minimum 50 cm above the design water level
W1.2-E	Ground moisture and non pressure water for floor slabs and walls in direct ground with drainage	<ul style="list-style-type: none"> o Water-logging in poorly permeable subsoil is avoided through drainage o Minimum 50 cm above the design water level
W2-E	Pressure water	<ul style="list-style-type: none"> o Water pressing in from the outside can act as groundwater, flood water or backwater.
W2.1-E	Moderate influence from pressure water ≤ 3 m immersion depth	<ul style="list-style-type: none"> o Backwater / flood water up to 3
W2.2-E	High exposure to pressure water > 3 m immersion depth	<ul style="list-style-type: none"> o Backwater / flood water over 3 m
W3-E	Non pressure water on earth-covered ceilings	<ul style="list-style-type: none"> o Precipitation water that seeps through the earth fill to the waterproofing and must be drained off there
W4-E	Splash water and ground moisture at the wall base and capillary water in and under walls	<ul style="list-style-type: none"> o Splash and seepage water affect the plinth surfaces, floor slabs and foundations o Water can rise in capillary action in and under walls o With double-shell masonry work, rainwater running off can seep into the space between the shells

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