



## Technical Data Sheet

# KSK-Abdichtungsbahn (KSK waterproof sheet membrane) Cold applied self adhesive bituminous sheet membrane

Art.-No. 2 05041

<b>CE</b>	
<b>SCHOMBURG GmbH &amp; Co. KG</b> Aquafinstraße 2-8 D-32760 Detmold 14 2 05041	
EN 14967 <b>KSK-Abdichtungsbahn</b> Cold applied self adhesive bituminous membrane as a damp proof barrier beneath walls	
Water impermeability	passed
Resistance to impact load	≥ 200 mm (procedure A) ≥ 600 mm (procedure B)
Durability against chemicals	passed
Durability against ageing	passed
Cold flexural behaviour	≤ -30 °C
Reaction to fire	Class E

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DIN EN 13969 <b>KSK-Abdichtungsbahn</b> Cold applied self adhesive bituminous membrane for structural waterproofing against ground moisture and water - type A and type T, PE sheet membranes with polymeric bitumen	
Reaction to fire	Class E
Tensile properties	
Tensile strength behaviour in longitudinal direction	≥ 200 N / 50 mm
Tensile strength behaviour in transverse direction	≥ 200 N / 50 mm
Elongation behaviour in longitudinal direction	≥ 150 %
Elongation behaviour in transverse direction	≥ 150 %
Resistance to static loads	Procedure B: 5 kg
Resistance to tear propagation	≥ 140 N
Resistance to impact load	≥ 200 mm (procedure A) ≥ 600 mm (procedure B)
Shear resistance of joint weld	≥ 200 N / 50 mm
Cold flexural behaviour	≤ -30 °C
Water impermeability	passed
Durability against ageing	passed
Durability against chemicals	passed

### Properties:

- Cold applied self adhesive waterproofing membrane
- Immediately resistant to water and driving rain
- Crack bridging
- Interior and exterior use
- Flexible and tear resistant
- Tested as a radon barrier

### Areas of application:

For the assured and effective waterproofing of building components in contact with the ground against ground moisture, non-standing seepage water (DIN 18195-4) as well as against non-pressurised water (DIN 18195-5). For waterproofing against capillary rising damp and as a vapour barrier beneath screeds.

### Technical Data:

Colour:	black
Thickness:	1.5 mm
Weight:	approx. 1.7 kg/m <sup>2</sup>
Crack bridging:	> 5 mm (DIN 28052-6)
Cold flexural behaviour:	- 30 °C (EN 1109)
Resistance to thermal distortion:	+70 °C (DIN 52 123)
Water impermeable:	60 kPa/24 hrs
Reaction to fire:	construction class E-d2
Tensile properties:	
Longitudinal direction:	> 200 N / 50 mm
Transverse direction:	> 200 N / 50 mm
Elongation, longitudinal:	> 150%
Elongation, transverse:	> 150%
Resistance to:	
Static loading:	5 kg
Tear propagation:	> 140 N
Impact load (drop height):	> 200 mm (procedure A)
Impact load (drop height):	> 600 mm (procedure B)
Shear resistance of joint weld:	> 200 N
Water vapour diffusion resistance, μ:	approx. 71,400
Sd (H <sub>2</sub> O):	approx. 107.1 m
Durability:	
Against ageing:	passed
Against chemicals:	passed
Application /	

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# KSK-Abdichtungsbahn

## KSK waterproof sheet membrane

Substrate temperature: +5 °C to +30 °C  
Storage: frost free, cool, upright,  
protected from sunlight, loads  
and moisture, 12 months  
Packaging: 1.5 m<sup>2</sup> (width 1 m, length 1.5 m)

### Substrate preparation:

The substrate to be waterproofed must be dry, load-bearing and flat with a surface free from cracks and ridges and adhesion inhibiting substances such as e.g. oil, grease, hoar frost or paint. Ensure masonry work is flush pointed. Repair existing damage, defects or gravel nests in the concrete with ASOCRET-RN. Edges are to be chamfered, corners to be rounded off.

### Product application:

#### 1. Internal corners, wall/floor junctions:

Slurry with AQUAFIN-1K and whilst still wet, form a covered fillet using ASOCRET-M30. Once hardened overcoat this area, including the front face of the foundation slab.

#### 2. Priming:

Prime the substrate with ASOL-FE, diluted up to a max. of 1:1 with water, dependent on the absorbency of the substrate. Allow the primer coat to dry before subsequent bonding stages with the cold applied self adhesive waterproof sheet membrane. To assess the bond to the dried primer, stick a small strip of the sheet waterproof membrane to the primer, press down and rip off again. If more than 50% of the primer is pulled from the substrate, then the bond is still not adequate. Waterproofing with the sheet membrane must be carried out later.

#### 3. Application:

After removing the release paper from the KSK-Abdichtungsbahn, bond, without folds or air pockets, to the correctly prepared, dry substrate and press down with force using a rubber roller or similar. Before installing to the main areas, apply a reinforcing strip, 20- 30 cm wide of the KSK-Abdichtungsbahn to all edges, corners and chamfers. Install subsequent membrane with a minimum overlap of 5 cm. The membrane can also be butt-jointed dependent on the project or structure. Bond over the butt-joints with KSK-Abdichtungsbahn-FB. Membrane joints are to be secured against de-lamination or moisture migration

using rendering angles or covering strips. As an Alternative, the joints in the membrane can be secured with KSKAbschlussband (KSK connecting tape).

### Protective layers:

Protect waterproof membranes in accordance with DIN 18195, part 10, from weathering e.g. strong sunlight, rain, frost and mechanical damage, through suitable protective layers e.g. protection and drainage boards. Protective layers may not exert any point or linear pressure on the waterproof membrane. Bond protection or drainage boards with COMBIDIC-1K, perimeter insulation in a full bed of COMBIDIC-2K. Drainage is to be in accordance with DIN 4095.

### Back-filling the building pit:

Back-filling the building pit must be carried out in accordance with relevant guidelines. The back-fill material should be placed and compacted in layers. Ensure that the protection layer does not become damaged and that slippage is prevented.

### Advice:

- Immediately prior to use, store the self adhesive waterproof sheet membrane at room temperature, approx. +20 °C and only apply in dry weather conditions.
- Do not store the material in direct sunlight.
- Do not apply to damp substrates.
- Negative water pressure cannot be accommodated by bitumen waterproof materials. In areas where this is expected, waterproof beforehand with AQUAFIN-1K.
- Protect areas not being treated from the effects of KSK-Abdichtungsbahn.
- Do not bond or cover the self adhesive waterproof sheet membrane with products containing solvents.

**Please observe a current valid EU Health & Safety Data Sheet!**