

# DOBAU®

## -Abdichtungsbahn KSK



### DOBAU®- Sealing Membrane (self-adhesive)

Self-adhesive, cold applied bitumen sealing membrane

#### Use

For sealing basement outer walls, balconies, light shafts, retaining walls and terraces. DOBAU®-Abdichtungsbahn KSK can be applied easily onto vertical and horizontal components. For sealing structures against spray water, soil moisture and non-pressing water (DIN EN 13969 and DIN SPEC 20000-202: 2016-03; tables 18 und 19) as well as L or Z barrier for double wall masonry.

#### Properties

DOBAU®- Abdichtungsbahn KSK is a bituminous polymer cold self-adhesive sheet.

It is characterised by the following features:

- cold self-adhesive
- good workability at low temperatures
- immediately waterproof, also against driving rain
- bridges cracks
- solvent-free
- no adhesion on substrates containing silicone

Edge strips covered on both sides with separating strips are provided on the surface for safe overlapping.

#### Application instructions

##### Requirements to the subsoil

Joint-tight concrete, plaster PII b, PIII b according to DIN 18550, masonry erected from bricks according to DIN, lime sandstone, lightweight concrete and hollow concrete blocks as well as cellular concrete are suitable as a substrate. The masonry must be completely filled, if necessary with smooth joint filling. The dry substrate must be smooth and firm with sufficient load bearing capacity and free of dust or impurities. It must be free of nests, cavities, cracks and burrs, dust, tar, pitch, formwork oil, old coatings or other layers that may impair adhesion. Fillets must be formed at the transition from horizontal to vertical areas, e.g. with BIGUMA®- Dreieck Band. DOBAU®- Abdichtungsbahn KSK can be processed easily without primer at temperatures of 5 °C and above. At cold temperatures around freezing point, the substrate must be primed with the system primer COLZUMIX®- Haftgrund. DOBAU®- Abdichtungsbahn KSK should be stored at room temperature before processing. Depending on the temperature and weather, the drying time for the primer may vary at approx. 200 g/m<sup>2</sup>. At 20 °C and an air humidity of 50 %, the drying time is about 2 hours.

The primer must have fully dried before bonding with DOBAU®- Abdichtungsbahn KSK. DOBAU®- Abdichtungsbahn KSK sheet must be bonded within the next 6 hours. Otherwise renewed priming with a system primer will be necessary.

#### Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

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## Processing

20 to 30 cm wide reinforcement strips comprising DOBAU®- Abdichtungsbahn KSK must be applied on all corners and edges. The required strips must be cut to the corresponding length. After pulling off the separating film, the strips should be bonded onto the relevant areas and pressed down forcefully with a rubber roller. Always use a sharp knife for cutting, which should be moistened with water often. Lay out DOBAU®- Abdichtungsbahn KSK, cut to the required length and roll up again. Pull the separating film off at the start of the sheet. Align DOBAU®- Abdichtungsbahn KSK and bond the sheet on by pulling off the separating sheet further. Press on the sheet evenly from the centre. Folds and air bubbles must be avoided when doing so. Then press on the sheet forcefully with a rubber roller. Remove the separating strips from the previously applied sealing sheet.

Apply the next sheet with an overlapping width of approx. 8 cm. On vertical surfaces, secure the upper termination of the seal with plaster rails or flashing strips.

## Protection of the sealing / perimeter insulation

Insulation boards can be applied using the point bonding method immediately after sealing with DOBAU®- Abdichtungsbahn KSK. Depending on the board dimensions, 5 to 8 adhesion points per m<sup>2</sup> must be applied onto the rear of the board using adhesive tape with a size of approx. 10 x 10 cm. Before applying the points, the clear film must be pulled off the adhesive tape and the tape bonded onto the appropriate side of the insulating board. The second transparent separating film must be pulled off after this. The insulation boards can now be pressed onto the wall. Proceed in the same way for suitable drainage panels. Always ensure an even substrate.

After carrying out the sealing work and applying the mechanical protection, the perimeter insulation or drainage panels, the excavation pit must be filled within 72 hours.

## Please note

Secure bonding will not be possible if condensation has formed on the primed surface. A dry substrate must be ensured before bonding. Point and line loads as well as loads that impair the functionality of the seal by indentation must be avoided.

## Technical data

Carrier film:	Cross-laminated HDPE film	
Maximum tensile force longitudinal/transverse:	> 200 N/50 mm	(DIN EN 12311-1)
Expansion:	> 150 %	(DIN EN 12311-1)
Tear propagation resistance:	> 100 N	(DIN EN 12310-1)
Cold bending behaviour:	< -30 °C	(DIN EN 1109)
Waterproofing:	> 4 bar/24 h	(DIN EN 1928 B)
Water vapour permeability:	sd value ≥ 160 m	(DIN EN 1931)
Water exposure:	W1-E (W1.1.-E, W1.2.-E), W4-E	(DIN 18533)
crack-bridging:	RÜ1-E to RÜ3-E	(DIN 18533)
Fire behaviour:	Fire class E	(DIN EN 13501-1)
Processing temperature:	-5 °C to +40 °C	
Temperature resistance:	-30 °C to +80 °C	
Dimensions/ Roll:	Thickness:	> 1,5 mm (DIN EN 1849-1)
	Width:	1 m
	Length	standard 15 m
Weight/ Roll:	approx. 23 kg	
Special dimensions:	on request	

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## Consumption

1.08 m per m with 8 cm overlap

## Storage

Min. 12 months shelf if unopened in the original carton. Protect from direct sunlight, keep cool and dry.

This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose. We shall be pleased to advise if you have any questions about our product. Our Terms and Conditions of Business apply, which can be found at [www.dga.de](http://www.dga.de).

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