



## ISOPLAN® – KSK

adhesive, cold applied bitumen sealing sheeting

### Use:

For the sealing of basement retaining walls, balconies, light wells, supporting walls and terraces. **ISOPLAN® - KSK** can be easily applied to upright and horizontal building parts.

For structure sealing against ground moisture and non-accumulating leakage water (DIN 18195-4), as well as against non-pressing water (DIN 18195-5). Internal and external use.

### Properties:

**ISOPLAN® - KSK** is a polymer bitumen - cold adhesive sheeting.

- cold-adhesive
- good workability at low temperatures
- immediately watertight and driving rain resistant
- crack-bridging
- solvent-free
- no bonding at silicone based subsoil

For the safe overlapping are on the top edge stripes covered on both sides with separation stripes.

### Preparation of the subsoil:

Suitable subsoil are structure tight concrete, render PII b, PIII b in accordance with DIN 18550, in accordance with DIN built masonry made out of bricks, lime sand brick, light-weight concrete and hollow concrete blocks, porous concrete. The masonry has to be designed fully jointed, if necessary with joint flattening.

The subsoil has to be even, firm, stable, free from dust and contaminations. It has to be free from nests, shrinking, cracks and grates, dust, tar, pitch, formwork oil, old coatings or other bond distracting coatings. The subsoil has to be dry.

At the crossover from horizontal to upright areas chamfers have to be designed, e.g. with **BIGUMA®-triangular tape**.

**ISOPLAN® - KSK** should be stored at ambient temperature before the application. The subsoil has to be primed with the system-primer **COLZUMIX® - Haftgrund, or ISO Voranstrich KSK**. Depending on the temperature and weather conditions the drying time of the primer at approx. 200 g/m<sup>2</sup> varies. At 20°C and at a humidity of 50 % the drying time is approx. 2 hours.

The primer has to be dried through completely before the bonding of the **ISOPLAN® - KSK**. Within the next 6 hours the **ISOPLAN® - KSK** sheeting has to be adhered. Otherwise a new priming with the **system-primer** is necessary.

### Application:

On all angles and edges a backing stripe made out of **ISOPLAN® - KSK** is to be applied in a width of 20 to 30 cm before the application of **ISOPLAN® - KSK**. The needed stripes have to be cut to the corresponding length, after tearing-off the separation foil the stripes have to be adhered on the considered areas and pressed with a rubber roller.

Always use a sharp knife for cutting that should be wetted frequently.

**ISOPLAN® - KSK** has to be laid out, cut to the necessary length and rolled up again. Tear-off the separation layer at the beginning of the sheeting.



Adjust **ISOPLAN® - KSK** and adhere the sheeting by further tearing-off of the separation foil. Slightly press the sheeting to the subsoil beginning from the middle. Here foldings and air blisters have to be avoided. Afterwards press the sheeting forcefully with a rubber roller. Remove the separation stripe of the before applied sealing sheeting. Apply the following sheeting with an overlapping width of approx. 8 cm.

Secure the upper ending at upright areas with the help of render bars or end slats.

## **Protection of the sealing / perimeter insulation:**

Right after the sealing with **ISOPLAN® - KSK** insulation boards can be applied in the point adhesion procedure. Therefore depending on the board dimension 5 to 8 adhesion points per m<sup>2</sup> have to be applied with **welding tape** on the back of the board with a size of approx. 10 x 10 cm. Before the application of the points the clear foil has to be torn-off of the **welding tape** and the tape has to be applied on side of the insulation board, which has to be adhered. Afterwards the second transparent foil has to be removed. The insulation board can now be pressed against the wall. At suitable drain boards you have to proceed the same way. You have to take always care of smooth subsoil.

After carrying out the sealing works and the application of the mechanical protection, of the perimeter insulation or of the drain board, the excavation has to be filled within 72 hours.

## **Please observe:**

At occurring condensate formation on the primed area an adhesion is not possible. Before the adhesion a dry surface has to be produced. Point and line loads as well as loads, which affect the functional efficiency of the sealing by pressure marks, have to be avoided.

## **Technical data:**

Backing film:	cross-laminated HDPE - foil
Breaking force longitudinal/transversal:	> 200 N/5cm (DIN 52123)
Expansion:	> 150% (DIN 52123)
Cold resistance:	< -30 °C (DIN 52123)
Heat resistance:	> 70 °C (DIN 52123)
Crack bridging:	> 5 mm (E DIN 28052-6)
Water impermeability:	> 4bar/24h (DIN 52123)
Fire behaviour:	material class B 2 (DIN 4102)
Application temperature:	- 5 °C to + 30 °C
Subsoil temperature:	+5 °C to + 25°C

Dimension/roll:	Thickness:	> 1,5 mm	(DIN 52123)
	Width:	1 m	
	Length:	standard 15 m	
Weight /roll:	approx. 23 kg		
Special dimensions:	on inquiry		

## **Consumption:**

1,08 m each m at 8 cm overlapping

## **Storage:**

Standing in unopened original carton storable for at least 12 months. Protect form direct sunlight, store cool and dry.