

## KÖSTER KSK Membranes

Installation instructions

Issued: 7/2022



KÖSTER KSK SY 15 is used for classic building waterproofing, e.g. structures in contact with the ground.

Alternatively, KÖSTER KSK ALU 15 can be used to waterproof floor surfaces and under screed.

In principle, these instructions can also be applied to the installation of KÖSTER KSK ALU Strong, which is used for small areas that are exposed to the weather, such as carports or garage roofs.

- cold applied – no further equipment required
- self adhesive – quick and simple to install
- clean, tidy and environmentally friendly application
- basement waterproofing and backfilling on the same day
- in accordance to DIN 18195

please observe the current technical guidelines of the products cited here.

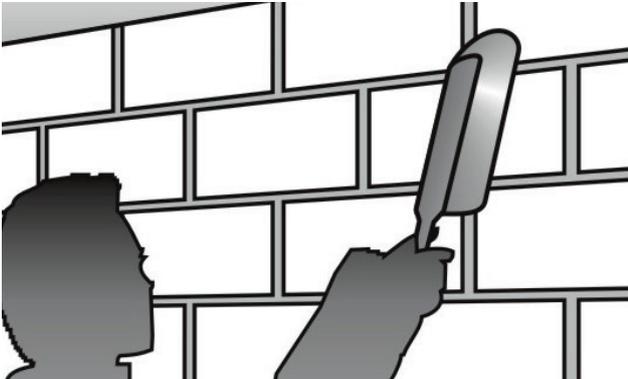
### Tools



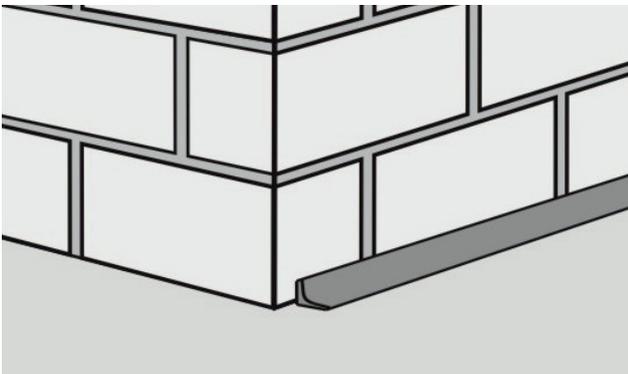
- Measuring tool and marking pens for marking
- Cutting devices for cutting to length
- Rubber pressure roller for the seam areas
- Spatula e.g. for leveling detail points
- Brush to apply primer
- Hammer



## 1 Substrate preparation



Remove loose particles. The substrate must be clean, sound and solid, free of oil and grease and other substances that may inhibit adhesion.



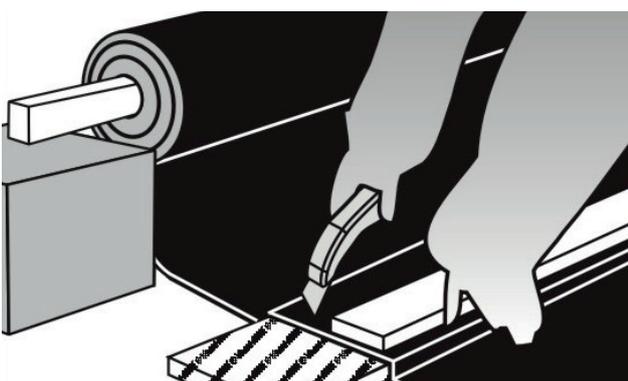
Round out edges. Install fillets in the wall / floor junction using KÖSTER WP Mortar. Close voids and holes using KÖSTER WP Mortar.



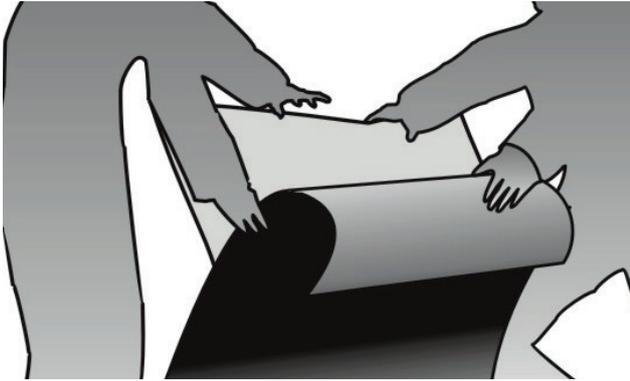
The surfaces have to be coated with KÖSTER KBE Liquid Film, diluted 1:1 with water using the KÖSTER Brush for Liquids. Mixture: 200 g/m<sup>2</sup> KÖSTER KBE Liquid Film plus water. Alternatively, the KÖSTER Primer BL with 150 g/m<sup>2</sup> can be used undiluted. In case of absorbent substrates the consumption can be higher.

## 2 Application of the membrane

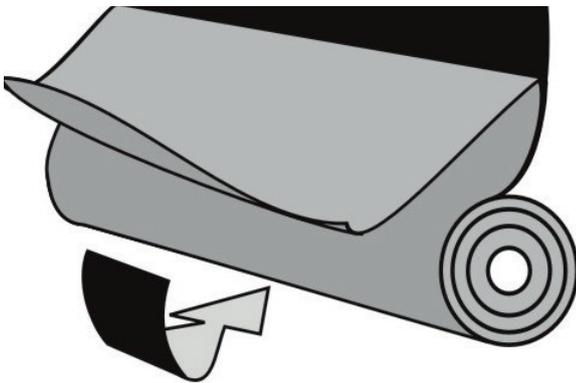
### 2.1 General handling of the membrane



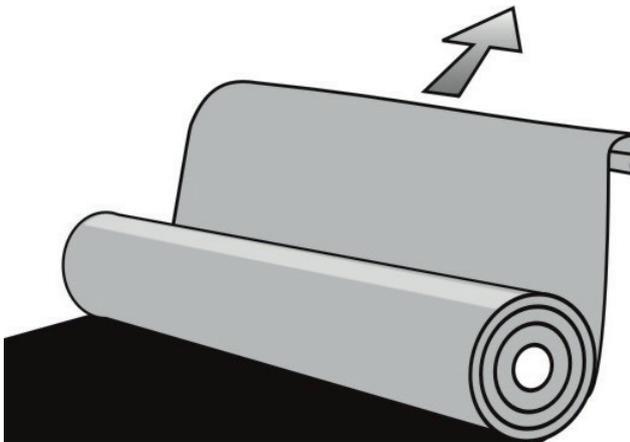
Cut the KÖSTER KSK Membrane using a sharp knife. Cut on top of a wooden board and use a straight edge as cutting support. Wet the blade repeatedly to avoid soiling the blade with bitumen.



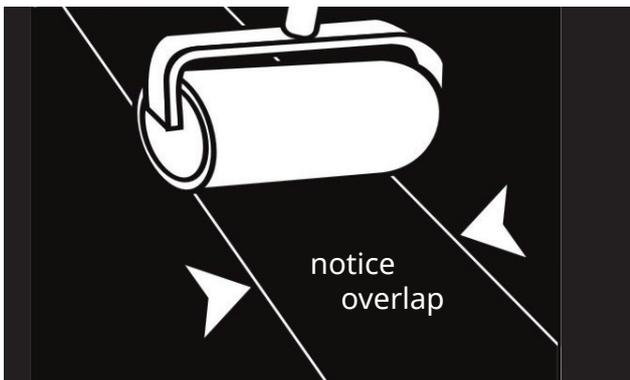
Pull the backing paper off on a length of 20 cm.



Pull the backing paper through underneath the roll and bond the exposed adhesive side of the membrane to the substrate.



Continue to pull off the backing paper evenly when progressing to bond the KÖSTER KSK Membrane to the substrate without folds and without enclosures of air.

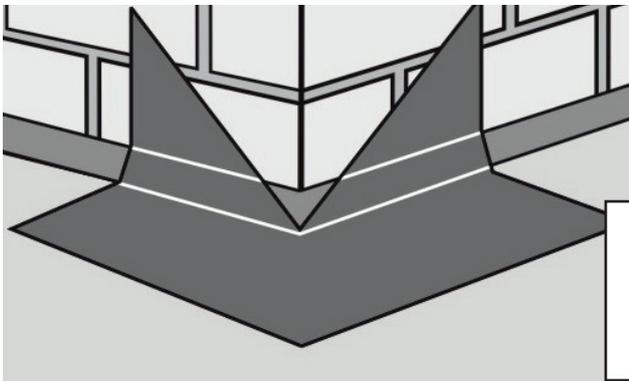


Sheets of membrane are placed so that the edges on longitudinal and transverse seams overlap by approx. 8 cm and at connections 10 cm. Use a roller to firmly press the membranes onto the substrate. On overlapping areas, take special care to ensure that the membranes have been pressed together well. When used for sealing in and under walls, the overlap must be at least 20 cm. The waterproofing according to DIN 18 534 is carried out in one layer up to water exposure class W2-I.

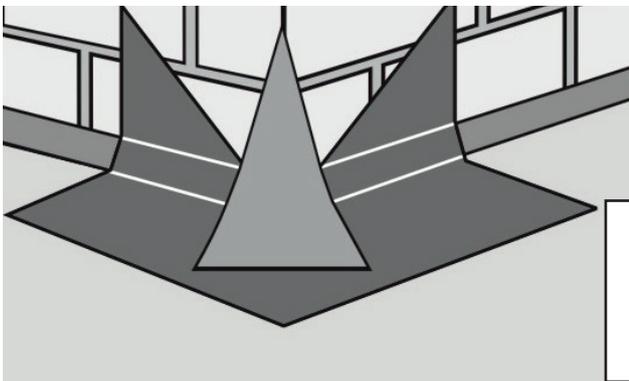
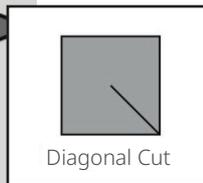


## 2.2 Details of inside and outside corners

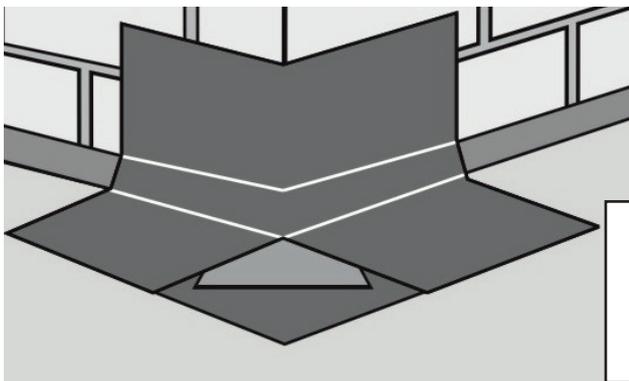
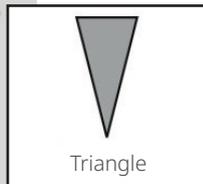
### 2.2.1 Outside corner



Outside corner: First bond a diagonally cut piece of membrane to the substrate in the corner.

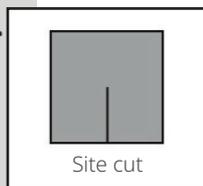


Then bond a triangular shaped piece of membrane onto the corner with the tip pointing upwards.

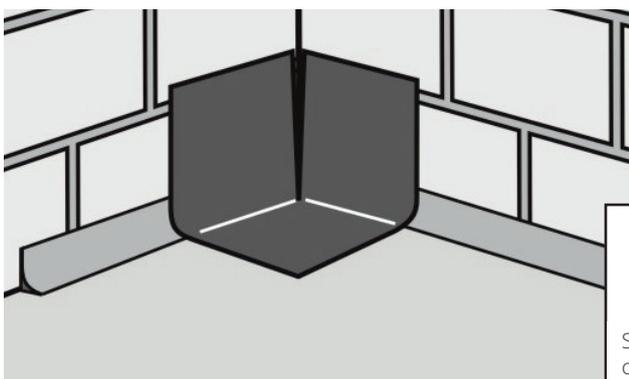


Finally apply a piece of membrane cut on the side as shown.

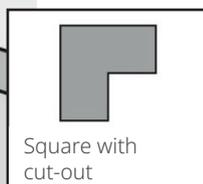
Finished details are then leveled off with KÖSTER KBE Liquid Film.

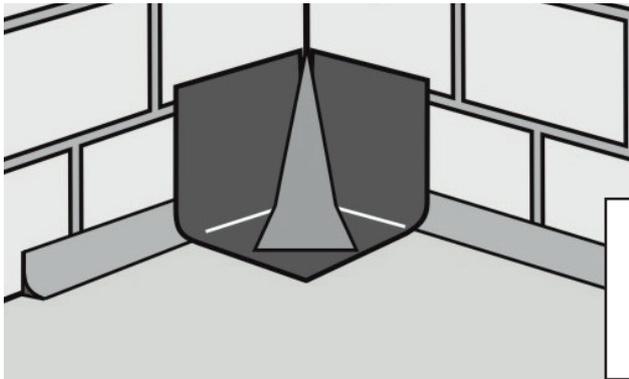


### 2.2.2 Inside Corner

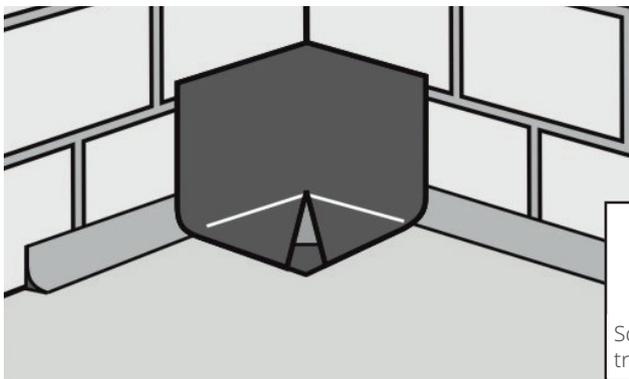
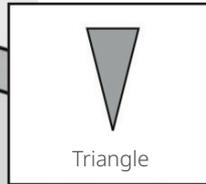


First, bond a piece of membrane with the square shaped cut out to the substrate in the corner.



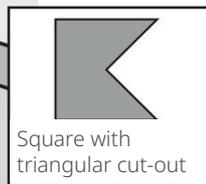


Then bond a triangular shaped piece of membrane onto the corner with the tip pointing upward.

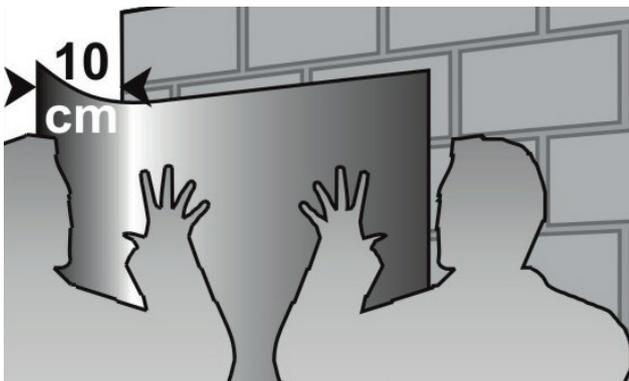


Finally, apply a piece of membrane with the triangular shaped cut out as shown.

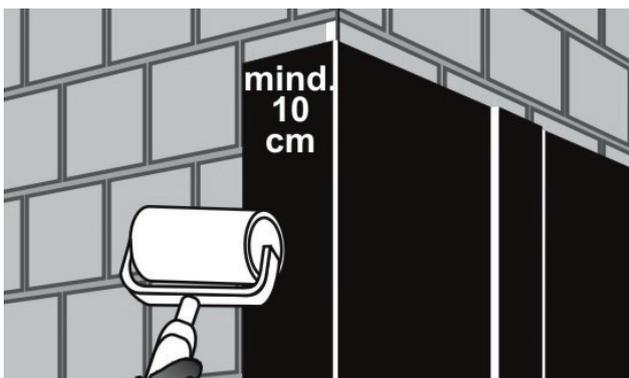
Finished details are then leveled off with KÖSTER KBE Liquid Film.



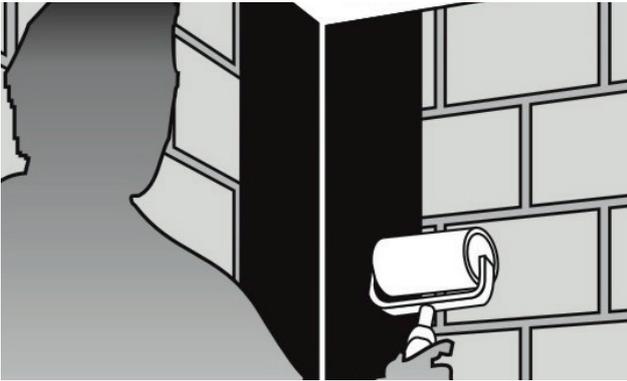
## 2.3 Waterproofing wall areas



Remove the backing paper on a length of approx. 20 cm, align the KÖSTER KSK Membrane and apply it to the substrate.



Apply the membrane on corners to the substrate on both sides of the corner by at least 10 cm.

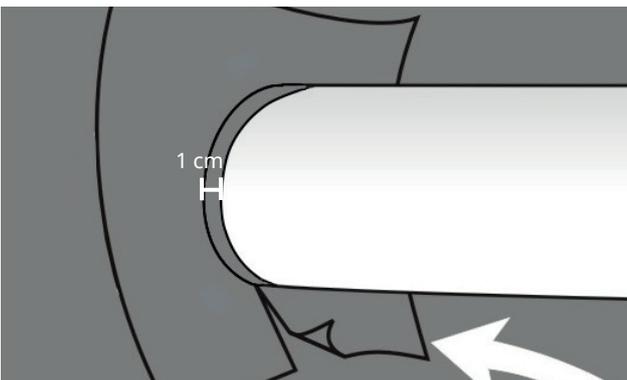


On inside corners, apply a piece of membrane at least 30 cm wide into the corner area.

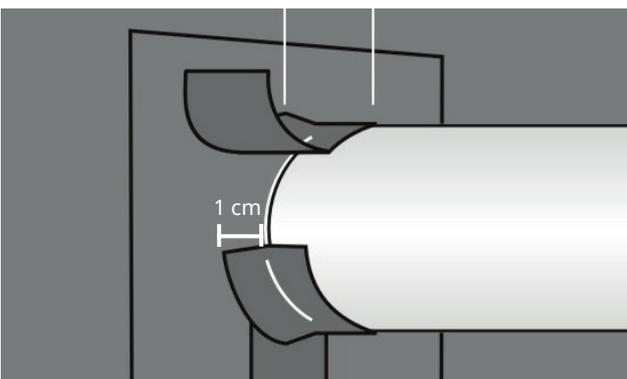


Overlap the KÖSTER KSK Membrane by at least 10 cm onto the piece of membrane applied in the corner.

## 2.4 Waterproofing pipe penetrations



Cut a hole with the diameter 2 cm smaller than the pipe into a piece of the KÖSTER KSK Membrane and bond it to the substrate, ensuring that no air is enclosed under the membrane. If the pipe penetrations are already connected, cut the blank on the side and pull it around the penetration. Always glue the edge of the cut to the opening by at least 1 cm.

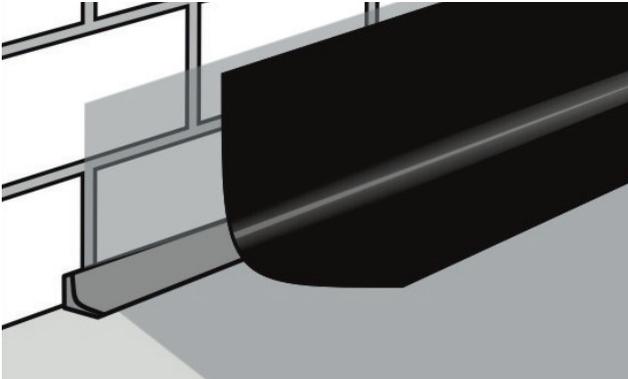


Cover the cut with a 10 cm wide strip of KÖSTER KSK membrane.

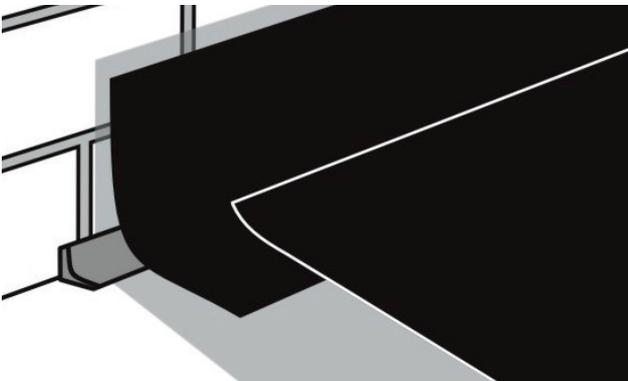
Use another 10 cm wide stripe of the KÖSTER KSK Membrane to cover the end of the membrane around the pipe as well as the cut in the membrane. Make sure to overlapping at least 1 cm onto the membrane. Use KÖSTER KBE Liquid film to seal the ends of the membrane around the pipe and all other spots which may require additional sealing.



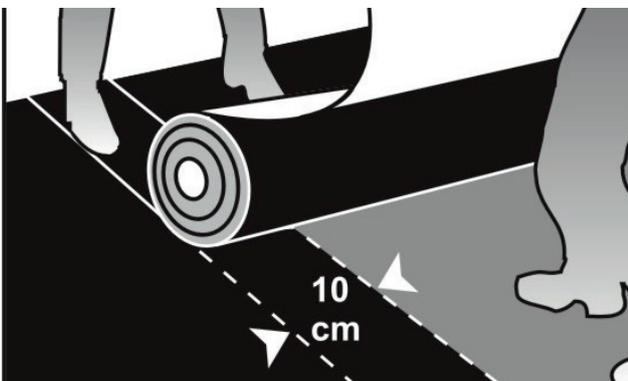
## 2.5 Waterproofing inside floors



After the fillet has been installed, reinforce the wall/floor junction by applying an at least 30 cm wide stripe of membrane over the fillet. The cut should reach approx. the upper edge of the screed.



Apply the KÖSTER KSK Membrane onto the floor, overlapping onto the previously installed strip of membrane.



When applying the membrane overlap individual sheets by at least 10 cm.

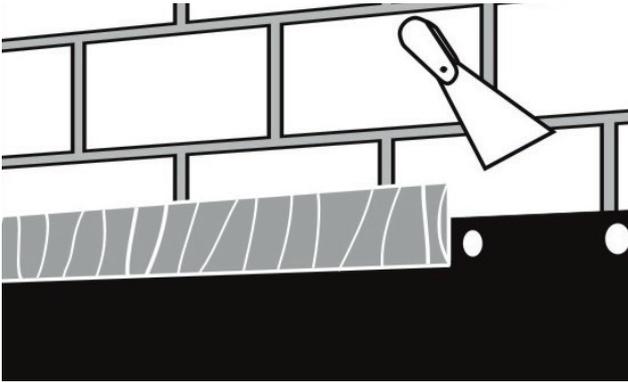
Recommended SUBSEQUENT LAYERS: 2 Layers of PE-Foil and 5 cm protective screed

NOTE: Horizontal areas which were waterproofed with KÖSTER KSK Membrane must be protected from sunlight and they must be covered and pressed on within 2 weeks after their application.

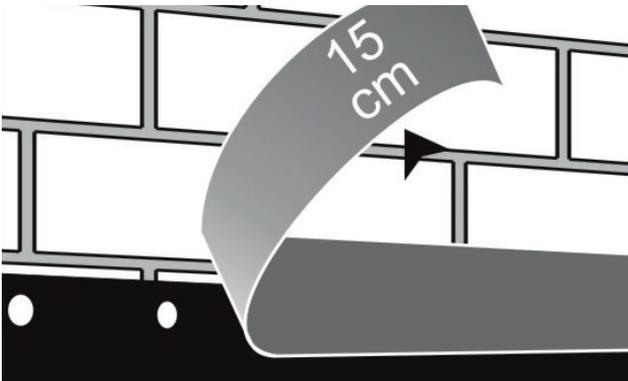
## 3 Fixing and sealing upper and lower edges



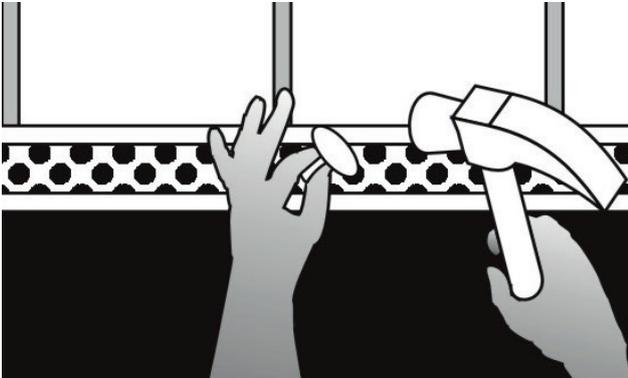
The upper edge of the membrane is fixed in position mechanically. Use large headed nails to fix the membrane in position.



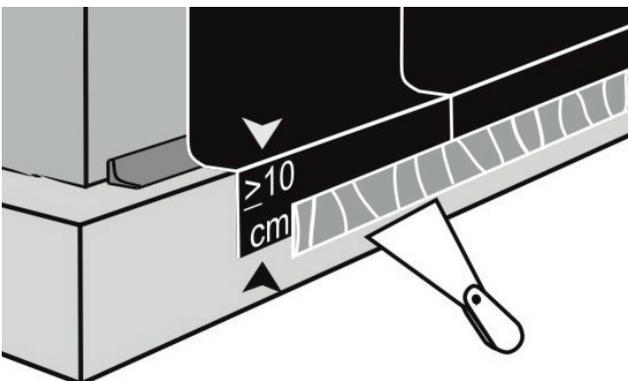
After fastening, the upper seam must be secured against leaking from behind. To do this, the area should be filled with KÖSTER KBE Liquid Film.



Seal the upper edge including the nails with KÖSTER Butyl Fix-Tape Fleece. The tape can be plastered over.



Alternatively, it is possible to use pre-perforated metal profiles for fixing the upper edge of the KÖSTER KSK Membranes in position. Also in this case, KÖSTER KBE Liquid Film is used to protect against leaking from behind.



Seal the lower edge with KÖSTER KBE Liquid Film.

NOTE: Protect KÖSTER KSK Membranes from damages due to backfilling or due to settlement of the ground by installing KÖSTER Protection and Drainage Sheet 3-400.

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