

INSTALLATION GUIDE

SOFT BED HT 4GS ■ 8GS

The HT 4GS and 8GS Soft Beds have been developed for use in concrete free stalls with a slight slope and self-supporting dividers. They consist of an endless rubber top-cover roll and special composite foam sheets developed for dairy farming.



Tools & Accessories

- ✓ Tape measure or metre rule
- ✓ Chalk or pencil for marking (if necessary, chalk line)
- ✓ Tensioning device incl. chain hoists/tensioning straps
- ✓ Drill with Ø 11mm - 12mm drill bit
- ✓ Hammer drill with Ø 10mm drill
- ✓ Hammer
- ✓ Knife



Fastening elements

- ✓ Nail-in anchors A2 10x80 with special washer
(approx. 8 pcs./m)



Requirements substrate / concrete

- ✓ Level, firm, clean, dry and free of holes, bumps or raised edges.



Requirements for Top-Cover

- ✓ Store the endless rubber cover sheet (Top-Cover) on the installation surface for at least 48 hours, or at room temperature for 7 days before installation, so it reaches a uniform temperature.
- ✓ Do not install at ambient temperatures below 10 °C (50°F).

Updated: August 2025

1 Lay out protective foil

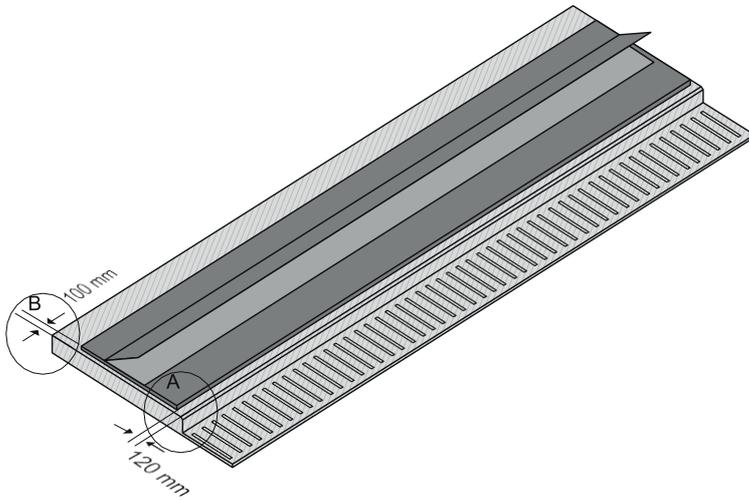
To protect the composite foam sheets from moisture, wrap them in protective foil (minimum thickness 100 µm). Spread the foil on the concrete so that the ends can be sealed watertight on top of the composite foam sheets with an overlap of at least 300 mm.

(Skip this step if using pre-wrapped composite foam sheets.)

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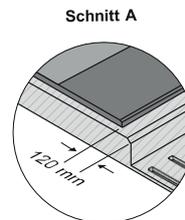
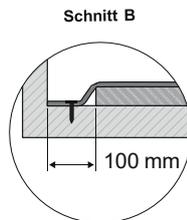
2 Position composite foam sheets and wrap



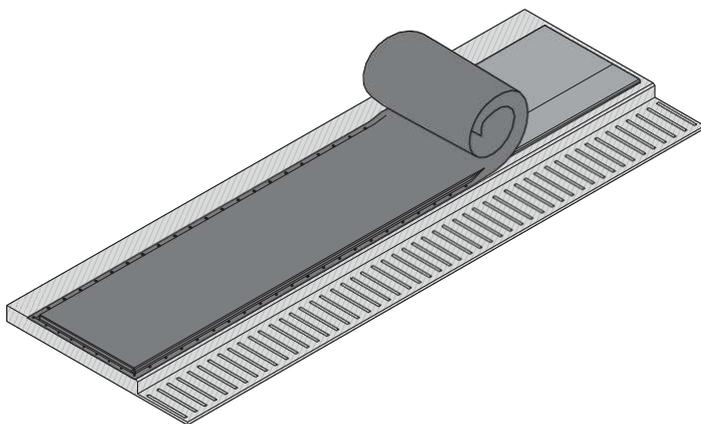
Lay out the composite foam sheets with a distance of approx. 120 mm from the rear concrete edge. Keep a distance of approx. 100 mm at the left and right ends. Then seal the protective foil so that all seams are watertight.

Tip: Mark the rear-edge distance along the full length (e.g., with a chalk line).

Note: Composite foam sheets must be placed tightly together. If the pre-wrapped foam sheets need to be cut to fit, seal the foil seams watertight using adhesive tape.

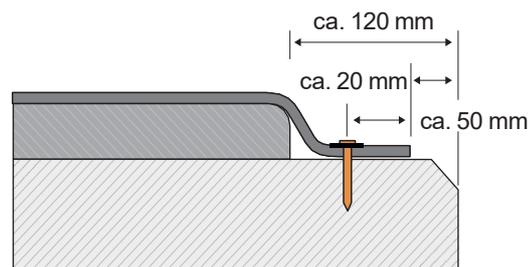


3 Unroll and align the covering sheet



Unroll the endless rubber top-cover over the foam sheets, keeping a 20 mm gap from the rear concrete edge.

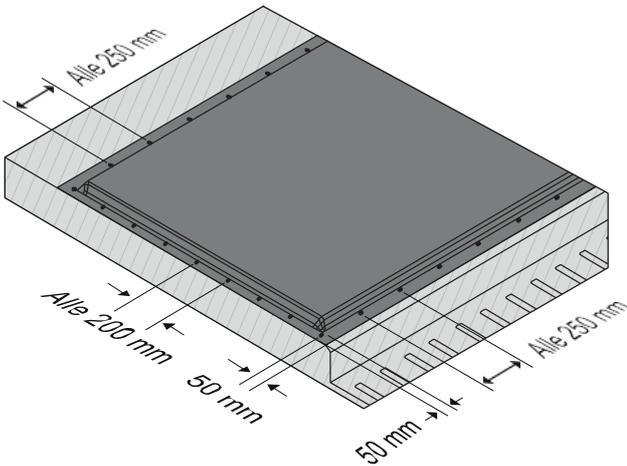
Note: If unrolling over the foam sheets is not possible, pull the cover sheet into position with care to avoid damaging the foil. After positioning, check the alignment of the composite foam sheets.



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4 Secure the cover sheet at the first end



Drill holes through the cover sheet and into the concrete.

- Distance from the cover sheet edge (front side): 50 mm
- In head and foot areas: also 50 mm from the cover sheet edge
- Intermediate holes: every approx. 200 mm

Steps

- Pre-drill the cover sheet \varnothing 11 mm.
- Drill the concrete \varnothing 10 mm.
- Insert the plastic dowel flush into the holes in the cover sheet. Hammer in A2 10 x 80 nails with washer flush.
- In the head and foot area, place two additional A2 10 x 80 nail-in anchors at 300 mm and 550 mm from the end face.

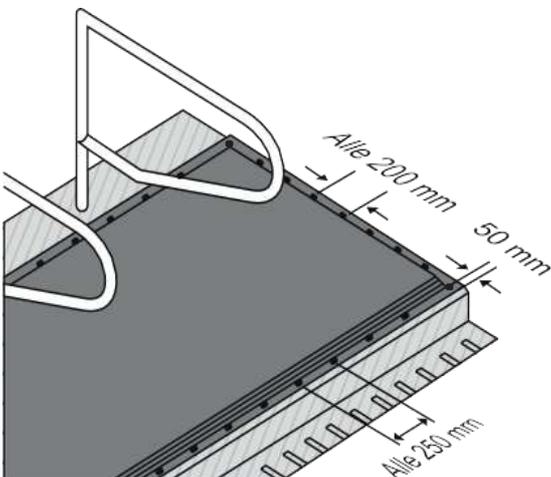
5 Tension the cover sheet



Tension the cover sheet by 1–1.5 % (1 % corresponds to 10 cm per 10 m). The tensioning device must distribute the load evenly across the width of the cover sheet. For example, use two rails — one on top, one underneath — and apply tension using chain hoists or tensioning straps.

Note: If the cover sheet needs to be cut to its final length, proceed as follows: tension, measure, release tension, cut, and tension again.

6 Secure the cover sheet to the second end



Repeat the fixing process from Step 4 for the opposite end of the installation. Drill holes through the cover sheet and into the concrete.

- Distance from the cover sheet edge (front side): 50 mm
- In head and foot areas: also 50 mm from the cover sheet edge
- Intermediate holes: every approx. 200 mm

Steps

- Pre-drill the cover sheet \varnothing 11 mm.
- Drill the concrete \varnothing 10 mm.
- Insert the plastic dowel flush into the holes in the cover sheet. hammer in A2 10 x 80 nails with washer flush.
- In the head and foot area, place two additional A2 10 x 80 nail-in anchors at 300 mm and 550 mm from the end face.

Once all fasteners are in place, remove the tensioning device

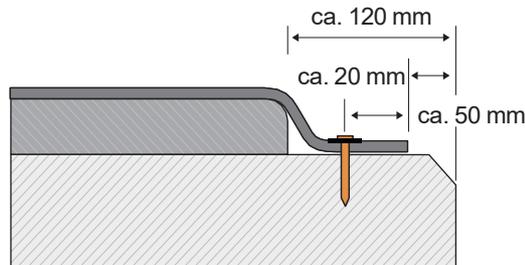
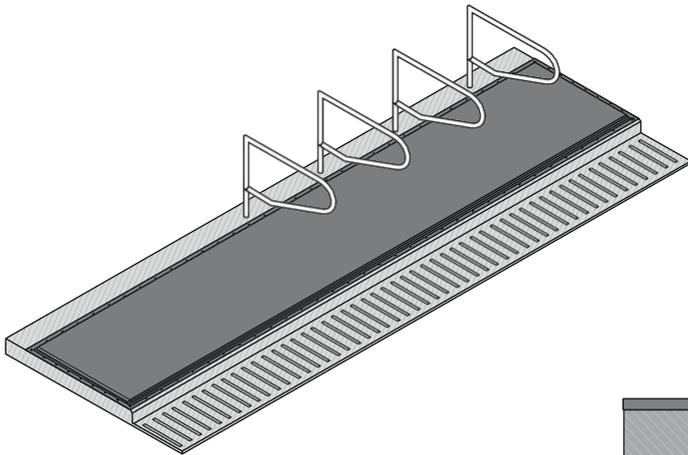
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7 Secure the cover sheet in the head and foot areas

To complete the installation, secure the cover sheet along the head and foot edges at regular intervals:

- A** Pre-drill the cover sheet \varnothing 11 mm.
- B** Drill the concrete \varnothing 10 mm.
- C** Insert the dowels flush into the holes in the cover sheet. Hammer in A2 10 x 80 nails with washer flush.
- D** Continue this process along the entire head and foot area to ensure the cover sheet is securely fixed and remains in position during use.



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Care and maintenance instructions

The rubber surfaces must be cleaned regularly. The cleaning agents must not attack the rubber surface. The rubber surface must be kept dry with suitable bedding material.

Note: Proper installation may vary due to local conditions.
No manufacturer's liability in case of installation damage.