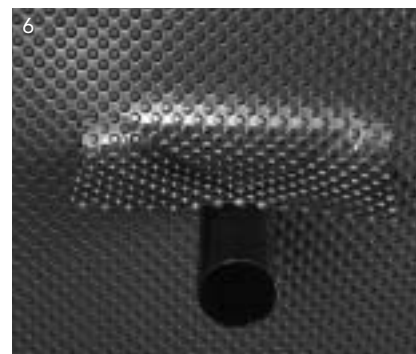
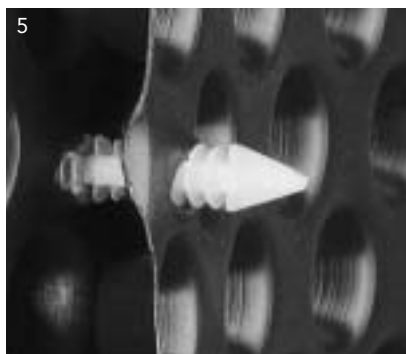
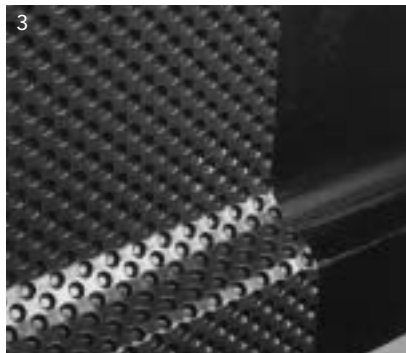


## DELTA®-MS

### Installation Instructions

- 1. Install DELTA®-MS so that the dimples face the building. The material may be applied directly to compression-resistant waterproofing (e. g. bitumen coats or mineral sealing slurries), waterproof concrete, or insulation panels. Make sure that sheets reach above the upper edge of the waterproofing and/or perimeter insulation and attach them there. When installing DELTA®-MS on perimeter insulation, the upper edges of the panels should be bevelled. Then, pull the sheets up above the edges and attach them to the wall. DELTA®-MS may be laid either vertically or horizontally. Sheets should overlap to the extent indicated by the undimpled edge strips.
- 2. Sheets may be attached using either clout nails or steel nails fitted with DELTA®-MS KNOPF washers. Use DELTA®-MS DÜBEL anchors wherever nails will not hold. DELTA®-MS KNOPF washers should be fitted whenever nail guns are used.
- 3. Sheets should end at the foot of the foundation.
- 4. After backfilling is complete, trim the sheets in parallel with the surface of the soil and seal the edges with DELTA®-NOPPENBAHNEN-PROFIL. As an alternative, the upper edge may be covered with a bed of coarse gravel (grain size 32 to 63 mm).
- 5. Overlaps are made by attaching the next sheet so that it overlaps the sheet installed previously by about 20 cm. Pierce overlaps with DELTA®-HAFTNAGEL pins to hold them in place. The end of the last sheet should overlap the first sheet by no less than 20 cm. When sheets have to be installed vertically, push the connecting sheet no less than 20 cm below the sheet installed previously and use no less than 4 DELTA®-HAFTNAGEL pins to attach it.
- 6. Before attaching a sheet to a corner, crease it along the line of the edge. Openings for cables and pipes are made by making a V-shaped cut in the sheet and attaching a patch measuring approximately 30 x 30 cm with 2 DELTA®-HAFTNAGEL pins.



You will find detailed installation instructions for DELTA®-MS on the internet at [www.doerken.de](http://www.doerken.de) in the form of a PDF file for you to print out and save.

■ Protection system

■ For building, underground, and civil-engineering construction

■ For vertical and horizontal application

**Fax: +49 23 30/63-355**

Dörken GmbH & Co. KG  
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 D-58313 Herdecke

## Request for tender DELTA®-MS

Item No.	Qty.	Specifications	Price/unit	Price total
1	..... m <sup>2</sup>	<b>DELTA®-MS</b> (manufacturer: Dörken GmbH & Co. KG, D-58311 Herdecke) foundation-wall protection to be delivered and expertly installed on a vertical surface. Sheets to be installed and mechanically attached in conformance with the manufacturer's instructions. Sheet overlaps must be made carefully.		
2	..... lfm	<b>DELTA®-NOPPENBAHNEN-PROFIL</b> (manufacturer: Dörken GmbH & Co. KG, D-58311 Herdecke) to be delivered and installed after backfilling to protect the upper edge of the sheeting.		
3	..... m <sup>2</sup>	<b>DELTA®-MS dimpled sheet as a sub-base course</b> (manufacturer: Dörken GmbH & Co. KG, D-58311 Herdecke) to be delivered and installed on the slab/ground. Overlaps should be no less than 20 cm. The lower reinforcement mesh must be supported by plastic spacer strips. The upper reinforcement mesh must be supported by spacers suitable for fair-faced concrete.		