

# DELTA®-GEO-DRAIN Quattro

## Installation instructions

- 1. If the waterproof coating is 1.9 m high, apply the sheet horizontally straight from the roll. On higher walls, apply the sheet vertically from top to bottom. Use a carpet knife to cut the sheet to the requisite length across the roll.
- 2. The micro-perforated slip film should face the waterproofing while the permanent-filtration geotextile should face the soil. If the exact level of the ground surface is not known, attach the sheets approximately 10 cm above the upper edge of the waterproof layer. After backfilling, trim the sheets in parallel with the surface of the soil. At the bottom, sheets should end at the drainpipe, which should be surrounded on all sides with a layer of permanent-filtration material at least 15 cm thick.
- 3. Once the ground level is known, sheets may be attached using DELTA®-GEO-DRAIN CLIPS arranged along a horizontal line, after which the DELTA®-NOPPENBAHNEN PROFIL may be latched on.
- 4. Detach the micro-perforated slip film from the edge of the overlapping sheet and push it behind the smooth overlap of the sheet installed previously. Remove the strip that covers the adhesive tape and glue the two dimpled sheets together.
- 5. Before attaching a sheet to a corner, crease it along the line of the edge. Place any plastic light wells directly on top of the sheet. Window openings can be cut out later. When light wells have already been installed, cut the sheet precisely along their lower edge and make one vertical cut in the middle.



Detailed installation instructions for DELTA®-GEO-DRAIN Quattro are available on the internet from [www.doerken.de](http://www.doerken.de) as PDF files for you to print out and save.

■ Protection and drainage system

■ For thick waterproof coatings

■ For vertical application in building construction

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## Request for tender DELTA<sup>®</sup>-GEO-DRAIN Quattro

Item No.	Qty.	Specifications	Price/Unit	Price Total
1	..... m <sup>2</sup>	<b>DELTA<sup>®</sup>-GEO-DRAIN Quattro applied to vertical waterproofing</b> (made by Dörken GmbH & Co. KG, D-58311 Herdecke), four-layer protection and drainage system with integrated self-sealing edge, to be delivered and expertly installed on vertical waterproofing. Sheets to be installed and mechanically attached in conformance with the manufacturer's instructions (e.g. with flat-head nails, DELTA <sup>®</sup> -GEO-DRAIN CLIPs, or wall plugs). Sheet overlaps must be adequate. Overlaps must be covered by a double filter-cloth layer. The filter cloth must face the soil.		
2	..... lfm	100-mm perforated drainage pipe to be delivered and installed in conformance with DIN 4095, Sect. 5.2.2.		
3	..... lfm	B 32 grain size gravel to be delivered and filled in as a drainrock bed.		
4	..... lfm	DELTA <sup>®</sup> -NOPPENBAHNEN-PROFIL to be delivered and installed after backfilling to protect the upper edge of the sheeting.		
5	..... m <sup>2</sup>	<b>DELTA<sup>®</sup>-GEO-DRAIN Quattro applied to horizontal waterproofing</b> (made by Dörken GmbH & Co. KG, D-58311 Herdecke), four-layer protection and drainage system with integrated self-sealing edge, to be delivered and expertly installed on a horizontal waterproofing layer. Building height: ...m above ground. Install in conformance with the manufacturer's instructions. Sheet overlaps must be adequate. Overlap areas must be covered by double layer of filter cloth. The filter cloth must face the soil.		