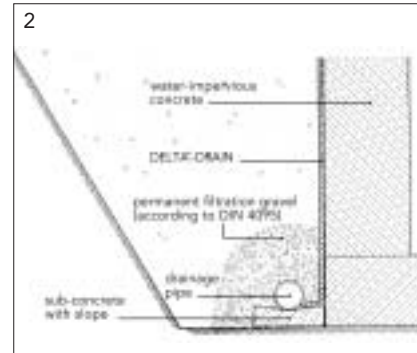


# DELTA®-DRAIN

## Installation Instructions

- 1. Install the dimpled sheet and the geotextile so that they overlap at the edges, holding them in place with DELTA®-HAFTNAGEL. The geotextile should always point outwards, i.e. towards the back-fill side. Remember that the only function of DELTA®-HAFTNAGEL is to assist installation (in the overlap area, for instance), and that they cannot replace the mechanical fasteners applied from the outside.
- 2. Sheets fitted to cellar and retaining walls should not be placed over the drainage pipe but should terminate in the drainrock close to the pipe.
- 3. In roof gardens, sheets should be laid between the roof structure and the water reservoir (e. g. peat).
- 4. Sheets may be nailed down with clout nails, clamped down with wood or plaster hooks, or fastened with a bolt gun.
- 5. We recommend DELTA®-MS DÜBEL for fastening dimpled sheets to some hard material such as concrete or brick masonry: simply drill an 8-mm hole and hammer home the plug.
- 6. The upper sheeting edge should always be protected by DELTA®-NOPPENBAHNEN-PROFIL.

You will find detailed installation instructions for DELTA®-DRAIN 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 and drainage system for compression-resistant surfaces

■ For earth-boundary construction elements

■ For vertical and horizontal application

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## Request for tender DELTA®-DRAIN

| Item No. | Qty.                 | Specifications   | Price/Unit | Price Total |
|----------|----------------------|--|------------|-------------|
| 1        | ..... m <sup>2</sup> | <p><b>DELTA®-DRAIN</b> (manufacturer: Dörken GmbH &amp; Co. KG, D-58311 Herdecke), combined foundation-wall protection and drainage system for earth-boundary construction elements, to be delivered and expertly installed in conformity with the manufacturer's instructions on top of the building waterproofing layer. Sheet overlaps must be adequate. DELTA®-DRAIN conforms to DIN 18195, DIN 4095 and Eco-Standard 2209. Heat-stabilised. Stress-resistance tested according to test procedure 0414. Contains no recycled material. Made from special PE. Two-way dimple structure to form a drainage and ventilation system. Laminated with a compression-resistant permanent geotextile made of PP.</p> <p>Compression resistance approx. 90 kN/m<sup>2</sup><br/>           Dimple height approx. 12 mm<br/>           Drainage capacity approx. 1.2 l/sec · m<br/>           Roll size 12.5 m x 2 m</p> |            |             |
| 2        | ..... m <sup>2</sup> | 100-mm perforated drainage pipe to be delivered and properly installed.  |            |             |
| 3        | ..... m <sup>3</sup> | B 32 grain size gravel to be delivered and filled in as a drainrock bed.   |            |             |
| 4        | ..... lfm            | DELTA®-NOPPENBAHNEN-PROFIL to be delivered and installed to protect the upper edge of the sheeting after backfilling.  |            |             |