



DELTA[®]-NP-DRAIN

The High Compressive-Strength Drainage Sheet For Underground Applications.

DELTA®-NP-DRAIN: the optimum vertical drainage system with high compressive strength for use in underground structures, retaining walls of all types, cut-and-cover tunnels, underground car parks, etc. The new dimple structure provides high compressive strength and excellent drainage capacity. The integrated geotextile mat filters out suspended soil particles and ensures constant water drain-off through the air gap created by the dimple texturing.



Layer 2: The polypropylene geotextile mat. Securely bonded to the dimple crowns by thermal welding, the mat provides excellent compressive stability and superb filtering performance. The rot-proof geotextile removes suspended soil particles and prevents clogging of the flow passages in the dimple texturing. The result: continuous drainage of incoming water to the take-off system below. Drainage capacity is further increased by the close dimple spacing of the new texturing pattern.



DELTA®-NP-DRAIN – Technical data	
Raw material of sheet	high density polyethylene
Raw material of geotextile	polypropylene
Dimple height	appr. 8 mm
Compressive strength	appr. 150 kN/m ² (22 psi)
Drainage capacity	appr. 2.25 l/s · m (11 GPM/ft)
Service temperature range	-30 °C to +80 °C (-22 to +176 °F)
Roll length	12.50 m
Roll width	2.00 m

The 2-Layer Design

Layer 1: The polyethylene drainage sheet with a newly developed dimple texturing pattern. The advantages: high strength, outstanding toughness and increased drainage capacity. The dimpled sheet keeps incoming water off of the structural sealing layer.

DELTA® is a registered trademark of Ewald Dörken AG, Herdecke, Germany.

Installation

DELTA®-NP-DRAIN is supplied in easy-to-handle rolls 2.00 m in width. The flat edge margin makes for quick and economical installation.

Dörken protects value

Dörken GmbH & Co. KG
Wetterstraße 58
D-58313 Herdecke
Germany
Tel.: +49 23 30/63-0
Fax: +49 23 30/63-355
bvf@doerken.de
www.doerken.de

