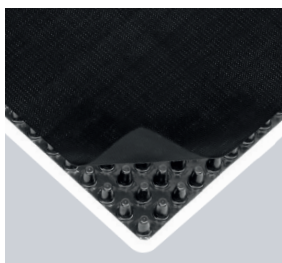


TECHNICAL DATA SHEET

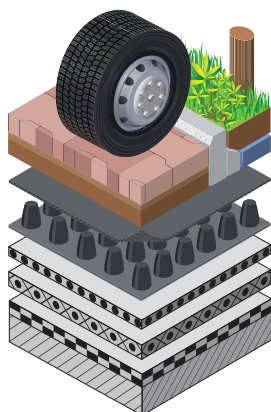
ND 620hd Drainage System



ND 620hd Drainage System

High-performance CE-marked drainage system with an innovative dimple design made out of recycled high impact polystyrene. The core of the ND Drainage System is a dimpled sheet with an extremely high compressive strength, an excellent creep resistance guaranteeing a consistent long term drainage capacity and a construction height of approx. 12.5 mm. A special mono-filament woven geotextile is bonded to each dimple as a filter layer.

The geotextile is glued and not thermally bonded to the dimpled core to avoid damage to the mechanical and hydraulic properties of the geotextile and the drainage system. It also prevents the geotextile to be pushed in between the dimples obstructing the drainage capacity. A pressure-dividing slip film is glued to the back of the dimpled sheet and acts as the first smooth, non-sticky surface of the slip layer and as an additional protection layer of the waterproofing membrane.



Composition Nophadrain Intensive Green Roof System

Application

The ND 620hd Drainage System is a component of the Nophadrain Parking Deck System – heavy goods vehicles that acts as a filter, drainage and protection layer.

Technical specifications

- Material dimpled sheet: recycled high impact polystyrene (HIPS)
- Material woven geotextile filter: polypropylene (PP)
- Material pressure-dividing slip film: polypropylene (PP)
- Construction height: approx. 12.5 mm
- Compressive strength: approx. 1,200 kPa
- Weight: approx. 1,364 g/m²
- Drainage capacity at $i = 1$ at 20 kPa: approx. 5.44 l/(s.m)
- Drainage capacity at fall ratio 2 % at 20 kPa: approx. 0.68 l/(s.m)
- Test: performance test at the Technical University Munich (D) - assessment of the performance and behaviour of a pavement structure under simulated traffic conditions.

Product	Dimensions (L x W)	Packaging
ND 620hd Drainage System	approx. 32 x 1.25 m	approx. 40 m ² , roll

nophADRAIN[®]
SMART GREEN ROOF SYSTEMS

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