

Nanoalps® System DRAIN - The drainable natural layer

Nanoalps® System DRAIN enables the construction of water permeable surface pavements and base layers. The non-toxic, environmentally-friendly and water soluble Nanoalps® System Drain gets mixed with natural stony aggregates of a defined diameter, a modest amount of hydraulic binding agents and water.

Characteristics:

- Increase in the water absorption capacity
- Surface water penetrates quickly into the lowest layers
- Improved and quicker development of resistance from the 4th day
- Reduction in costs by avoiding complicated drainage systems
- Maintaining natural aspect by keeping the natural colour
- Diverse surface colours possible



Application areas:

Infrastructures, where drainage is necessary:

- Road surfaces for light traffic
- Carparks, cycle tracks and footpaths
- Sports facilities, landscaping e.g. garden centres, golf courses and compost works
- Substructures for roads, sports facilities, riding facilities
- Steep areas for embankment fortification

Service

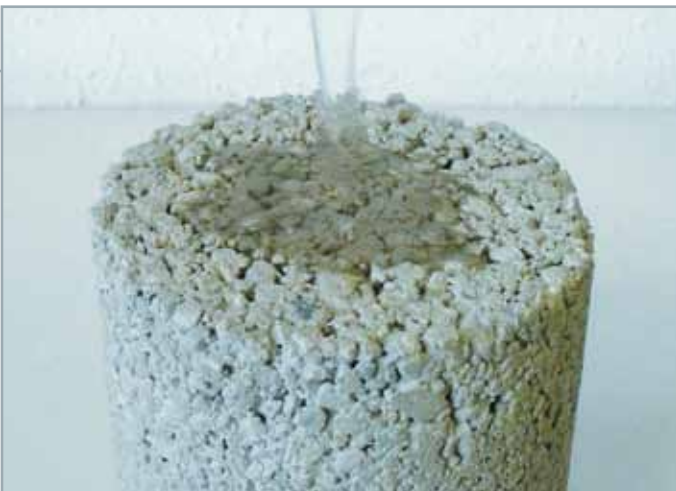
The aggregates used are examined by specialists from the Nanoalps® laboratories. Depending on the individual requirements, the optimal mixture is created and produced. The successful application and use is guaranteed by suitability tests, field tests and post-implementation checks.



Technical data:

Strength:	Uni-axial compressive strength from 1.0 N/mm ² – 20.0 N/mm ² adjustable
Flexibility:	Tensile splitting strength from 0.5 - 2.0 mPa adjustable
Resistance to frost:	Depends upon the requirements and material available
Water absorption rate:	According to requirements, usually 10 ⁻⁴ m/s

Nanoalps® System DRAIN offers a high level of water permeability



By using Nanoalps® System DRAIN the water seeps into the lower layers and allows for a dry surface.



Without the drainable polymer additive water remains on the surface and can cause dangerous aquaplaning.