

Product Description

NL501 Needled Mineral Hydro Blanket is a mechanically engineered, fire resistant product consisting of a mixture of basalt, diabase and dolomite. Its physical integrity is achieved solely through the intertwinning (needling) of natural mineral wool fibers to exact specifications. The blanket is made of 100% natural raw material (pure rocks), completely free from organic/inorganic binders, as well as any fiber coatings. Binders leach out, compromising performance; since NL501 does not contain binders, it provides reliable long term water-holding performance as well as the ability to expand and contract freely, unaffected by freeze-thaw cycles.



Technical Data

Mechanical Properties

▪ Material	Basalt, diabase, dolomite
▪ Thickness (mm)	25.8
▪ Density (kg/m ³)	135
▪ Dry weight (kg/m ²)	4.1
▪ Saturated weight (kg/m ²)	28.8
▪ Water retention (mm)	24.9
▪ Water retention (l/m ²)	24.9

Packaging Properties

▪ Color	Sand
▪ Width (m)	1.0
▪ Length (m)	5.0
▪ Area (m ²)	5.0
▪ Diameter of roll (cm)	35
▪ Length of roll (cm)	100
▪ Weight of roll (kg)	22

Recommended Application

- Unroll NL501 on top of NL350 Detention Mat or NL351 Reservoir Cell, (if using).
- Install loose-laid with 50 mm overlap between adjacent rows, on the 1st layer only. No overlaps are required for subsequent layers.
- Start next row with a partial roll so the end joints stagger between rows.
- Cut and fit to the edge of the non-vegetated border zone along the roof edge and around penetrations.
- Cover immediately to avoid displacement by wind.

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