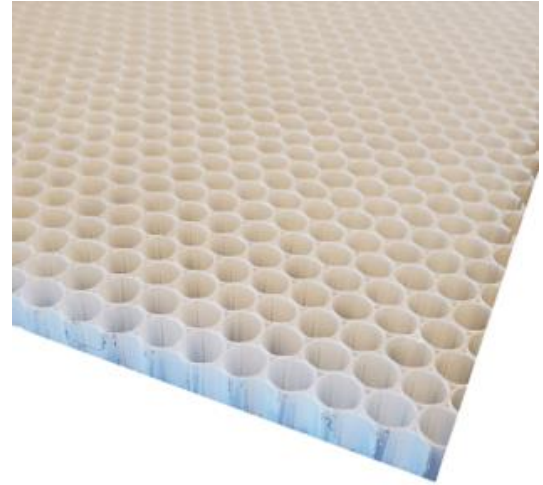


Product Description

NL351 is a panel of small diameter, solid-wall tubes, vertically oriented, and fused as a panel. The panel's tubes detain water when placed directly above a detention layer. The reservoir cell is almost entirely macropore space (>90% void space) with negligible horizontal flow. The reservoir cell reduces flow rates of a Stormcap+ assembly. The combined transmissivity of a detention layer and reservoir cell is lower, due to the increased friction. Hence, transmissivity continues to drop as the friction continues to rise with increased cell thickness.



Technical Data

Mechanical Properties

- Material Inert, stable material such as polypropylene or rigid HDPE
- Compressive Strength 0.96 MPa (>+ 140 psi) bare compression (ASTM C365)
- Thickness 12.7 mm (½"), up to 101.6 mm (4") per project stormwater calculations
- Tube diameter 10-12.7 mm (0.4"-0.5")
- Void space >90%

Packaging Properties

- Length of sheet 1.2 m (4 ft)
- Width of sheet 2.4 m (8 ft)
- Weight per inch (per sheet) 4.5 kg (10 lbs)
- Shipping 2 m (80") of thickness per pallet (e.g. 80 sheets at 1" thick or 40 sheets at 2" thick)

Recommended Application

- Install the reservoir layer directly over the detention layer. Ensure the panel makes good, uniform contact with the detention layer, the tubes fill with water and drain as regulated by the detention layer, versus draining out rapidly through the gaps. Cut the panel at changes in the roof plane.
- Ensure at least 60 kg/m² (12lbs/sf) dry weight to maintain a tight fit between reservoir layer and the detention layer.
- Install needled mineral wool with overlapping joints, as a filter layer directly over the reservoir layer.
- Install reservoir layer in a running bond pattern (or herringbone pattern around drains) to minimize long-continuous joints between panels. As directed by manufacturer or inspector, pack the needled mineral wool into excessively long or wide joints to prevent unintended water flow, particularly in the vicinity of roof drains.

The information contained herein is believed by Next Level Stormwater Management to be accurate and is offered solely for the customer's consideration, investigation and verification. Determination of suitability for use is the responsibility of the user. Next Level's limitations, limited warranty, disclaimer and standard terms & conditions apply.