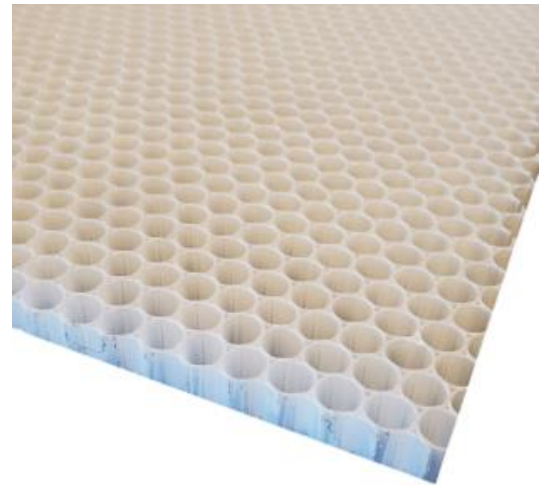


Product Description

NL351 Reservoir Cell is a storage layer for detained water. It has high compressive strength to carry the weight of the green roof and maintenance personnel without being damaged. The Reservoir Cell is comprised of small diameter, solid-wall tubes, vertically oriented, and fused as a panel. The tubes provide temporary water storage when the NL350 Detention Mat or control flow drains are used. The reservoir cell is 90% void space which provides a high storage volume capacity for detained water. Available in various heights to accommodate different depths of detained water.



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”)
- Tube diameter 10-12.7 mm (0.4”-0.5”)
- Void space >90%

Packaging Properties

- Length (sheet) 1.2 m (4 ft)
- Width (sheet) 2.4 m (8 ft)
- Weight (inch/sheet) 4.5 kg (10 lbs) 2 m (80”) of thickness
- Shipping 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 Mat.
- Ensure the panel makes good, uniform contact with the Detention Mat.
- Cut the panel at changes in the roof plane.
- Install reservoir layer in a running bond pattern (or herringbone pattern around drains) to minimize long-continuous joints between panels.
- Cover with filter/water retention layer as per the project’s requirements.
- Ensure at least 60 kg/m² (12lbs/sf) dry weight to maintain a tight fit between reservoir layer and the detention layer.

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.