Geotextiles

Noam Urim produces a special line of needle-punched geotextiles fabrics produced from PET or a polypropylene blend. The manufacturing process strengthens the fabric for improved stability and durability and efficient drainage when placed on the road or in the ground.

NU-Geo R:
For normal use. Made from regenerated polyester fibers.

NU-Geo V:
For mechanical and hydraulic use. Made from virgin polypropylene or polyester.

Specifications

Width: Up to 5 m
Weight: From 90 g/m² to 2000 g/m²

Product Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Test Method</th>
<th>150</th>
<th>180</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>700</th>
<th>800</th>
<th>1300</th>
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<tbody>
<tr>
<td>Mass per unit area</td>
<td>gr./m²</td>
<td>ASTM D5261</td>
<td>150</td>
<td>180</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>400</td>
<td>500</td>
<td>700</td>
<td>800</td>
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<td>190</td>
<td>260</td>
<td>290</td>
<td>410</td>
<td>500</td>
<td>760</td>
<td>900</td>
<td>1170</td>
<td>1500</td>
<td>2200 min</td>
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<tr>
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<td>80</td>
<td>80</td>
<td>80</td>
<td>110</td>
<td>110</td>
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<td>110</td>
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<td>120 max</td>
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<td>450</td>
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<td>1030</td>
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<td>1440</td>
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Roads, Routes, Railroad, Tracks

Separation —
Non-woven fabrics serve as a Separation layer between the surface and the structure. Improve the quality of the structure and the level of drainage.

Drainage —
One of the most effective solutions for ensuring drainage is to bore a length-wise drainage channel comprised of Urim Fabrics, granular materials and perforated drainage pipe.

Prevention of crack expansion —
Urim Fabrics prevent crack expansion and create an insulated layer which prevents water penetration between the asphalt layers thus protecting the structure of the road.

Insulation of reservoirs, waste sites

Mechanical defense of insulation fabrics against tearing or permeation from sharp objects.

Insulation of the Drainage area in case of possible leakage and funnelling of the liquids to the appropriate drainage opening.

Collection and lateral pathway for gases which collect beneath the insulation fabric.

Defence of river embankments/shores

Urim Fabrics distributed just beneath the surface serve as a filter thus preventing erosion.

Retaining walls

The non-woven fabric acts as a drain by rapidly dispersing the formation of hydrostatic pressure.

Sports fields

Urim Fabrics provide ideal separation and drainage capabilities between the upper layer of sand and the granular drainage level.

Bound sleeves for vertical drainage

The sleeve serves as a filter separating the fine materials from the granules and thereby preventing blockage of the drain.

Separation —
Urim Fabrics separate soil layers of different compositions and properties, such as thin clay and granite, preventing them from mixing.

Water pathway drainage —
Non-woven fabrics provide minimal resistance to water and/or gas flows in the plane of the fabric, effectively distancing and draining water and other materials.

Filtering —
The fabric serves as filter, allowing water to permeate while retaining particles of soil that are essential for stability thereby preventing erosion.

Protection —
Urim Fabrics provide an effective layer of protection for various insulation system.