NOAM URIM
ENTERPRISES LTD.

Home Cleaning
Hygiene
Geotextiles
Air Filtration
Breathers
Wadding
Insulation

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

Geotextiles

Product Specifications

Item	Unit	Test Method	150	180	200	250	300	400	500	700	800	1300	
Mass per unit area	gr./m²	ASTM D5261	150	180	200	250	300	400	500	700	800	1300	± 10%
Thickness	mm	DIN D53855	1.5	1.8	1.9	2.2	3.0	3.5	4	5	6.2	8	± 18%
Tensile Strength MD	N	DIN D53858	190	260	290	410	500	760	900	1170	1500	2200	min
Elongation MD	%	DIN D53858	90	80	80	80	80	110	110	110	110	120	max
Tensile Strength CD	N	DIN D53858	280	390	450	600	690	1030	1060	1440	2000	3000	min
Elongation CD	%	DIN D53858	95	80	80	80	80	100	110	110	110	80	max
Trapezoid MD	N	ASTM D4533	100	150	210	240	280	380	490	670	800	1130	min
Trapezoid CD	N	ASTM D4533	135	240	260	340	390	480	630	810	950	1600	min
Puncture	N	ASTM D4833	190	235	250	350	490	580	640	910	1100	1700	min
CBR	N	DIN-54307	760	1200	1250	1540	1800	2780	3050	4620	5500	4900	min
Roll Length	m		100	100	100	100	100	80	60	40	40	24	± 2

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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 funneling 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.

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