

MIRAFI® 140N Drainage Fabric

Mirafi Inc, the leader in geotextile technology and service, has developed the ideal fabric for sub-surface drainage applications.

Mirafi 140N Features:

- Easy to Install — Mirafi 140N conforms easily to the ground or trench surface. The result is soil/fabric contact that assures soil retention and prevents fabric clogging.
- Improved Availability — Mirafi 140N is now offered at more geographic locations than ever before along with the service and technology that have become synonymous with the Mirafi name.
- Improved Puncture Resistance — Mirafi 140N's puncture and burst resistance has been improved to meet the requirements of the toughest drainage fabric installations.

Drainage — A Costly Necessity. Providing adequate drainage is a necessity for insuring soil stability in pavement subgrades, embankments, and other structures. Properly designed and installed drainage systems are the key to moisture control. To insure performance and service life, a drainage system must be protected by a filter

medium that allows water to pass through while preventing soil particles from piping into the drainage stone. Mirafi 140N provides this protective filter. Mirafi 140N is a performance proven and cost-effective alternative to graded aggregate filters. It is readily available and can be easily installed by two men.

Mirafi 140N eliminates problems associated with:

- Finding a convenient and economical source of a specific aggregate gradation.
- Transporting and installing graded aggregates filter materials.
- Quality assurance of the in-place aggregate gradation to ensure filter performance.

In addition, drain size can often be reduced when Mirafi 140N fabric is installed because the thick graded-aggregate layer is eliminated. Consequently, less excavation and aggregate are required to construct the drain.

For more information contact your local Mirafi Representative or call toll free 800-438-1855. In Hawaii, Alaska or North Carolina call 704-523-7477.



Fabric Properties

Fabric Property	Unit	Test Method	Typical Value ⁽¹⁾
Resistance to Installation Damage			
Grab Tensile Strength	lb	ASTM D-1682-64	120
Grab Tensile Elongation	%	ASTM D-1682-64	55
Burst Strength	psi ⁽²⁾	ASTM D-3786-80a ⁽²⁾	210
Trapezoid Tear Strength	lb	ASTM D-1117-80	50
Puncture Strength	lb	ASTM D-3787-80 ⁽³⁾	70

¹The values listed are average values. Contact the Mirafi Technical Department for minimum certifiable values.

²Diaphragm Bursting Tester.

³Tension Testing Machine with ring clamp; steel ball replaced with a 3/8-inch diameter solid steel cylinder (with hemispherical tip) centered within the ring clamp.



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