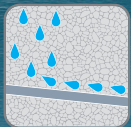
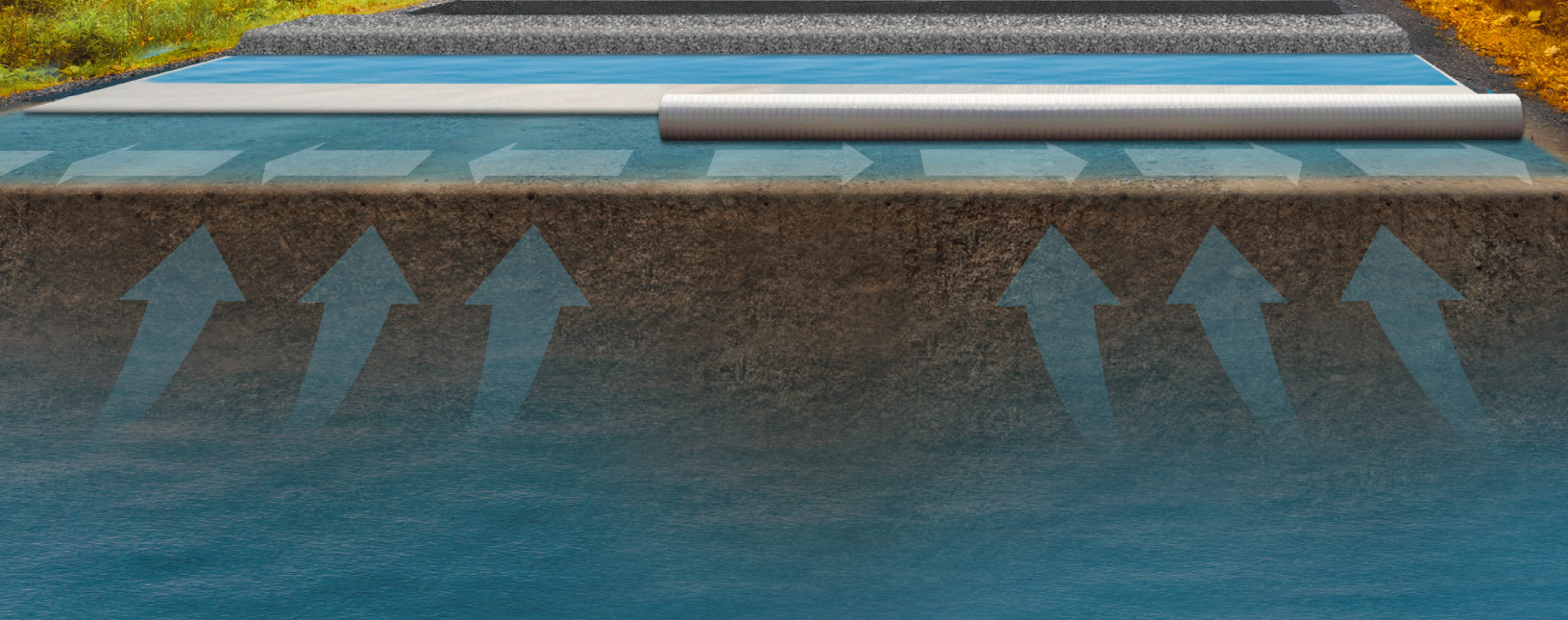


HanesGeo.com



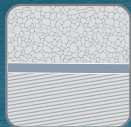
TerraTex® DriBase™ High-Performance Moisture Wicking Geotextile



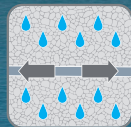
DRAINAGE



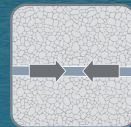
FILTRATION



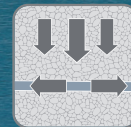
SEPARATION



MOISTURE
MANAGEMENT

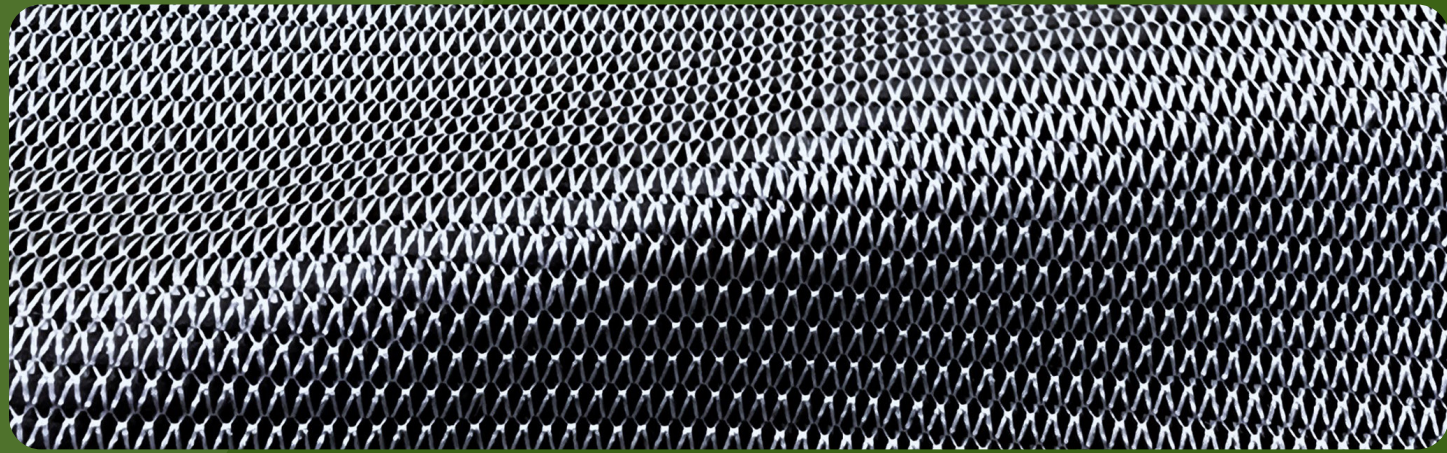


CONFINEMENT



REINFORCEMENT

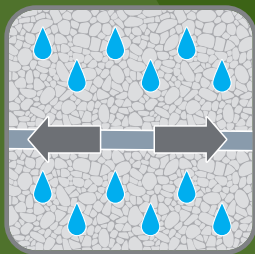
TerraTex® DriBase™



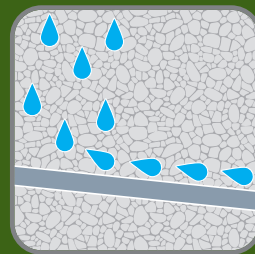
TerraTex® DriBase™ can reduce or help maintain the moisture content of subgrades and base courses, which improves modulus and overall pavement performance.

TerraTex® DriBase™ mitigates frost heave damage to pavements in frost-susceptible soils/regions.

FUNCTIONS



Moisture Management
 The ability to move water through a soil-geotextile system by capillary action and gravity



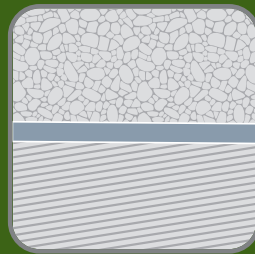
Drainage
 Provides for adequate in-plane movement of water through the geotextile over the service life of a trafficked structure



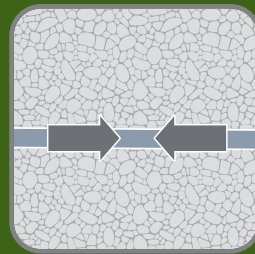
Reinforcement



Filtration



Separation



Confinement

WHAT IS A WICKING FABRIC? HOW DOES IT WORK?



- Move water through capillary action and gravity
- Reduce/maintain base and subgrade moisture content

Geotextiles have been used in roadway construction since the early 1970s, providing three primary functions. Now, with Active Moisture Management, they can provide a fourth:

- **Separation** – keeping dislike materials from intermixing over time, such as preventing aggregate base loss into a softer subgrade due to repeated wheel loading.
- **Filtration** – protecting a drainage or aggregate layer from soil/fines intrusion. Fine materials, like clays and silts, can reduce permeability and strength within a layer of aggregate.
- **Stabilization** – reducing the pressure on subgrade soils by improving aggregate confinement or stress distribution through aggregate base layers.
- **New Function: Moisture Wicking, Capillary Active Geotextile** – drainage is one of the most important factors to consider in any roadway design, as poor drainage is generally the most common cause of premature failures or reduced service life. With recent technology advancements, TerraTex® DriBase™ not only provides the previous functions but can also actively manage moisture in the pavement section for improved roadway performance.



TerraTex® DriBase™

TerraTex® DriBase™ is a high-performance warp-knitted geotextile engineered to provide separation, filtration, stabilization, and moisture management in roadway applications. It is non-biodegradable and stabilized to resist degradation due to ultraviolet exposure, as well as commonly encountered soil chemicals, mildew, and insects. TerraTex® DriBase™ is manufactured to meet the values listed in the following table.

PROPERTY	TEST METHOD	UNIT	DESIGN VALUE
Wide width tensile (2% strain XMD) ¹	ASTM D-4595	lbs/ft (kN/m)	1,100 (16.1)
Wide width tensile (2% strain MD) ¹	ASTM D-4595	lbs/ft (kN/m)	500 (7.3)
Wide width tensile (XMD) ¹	ASTM D-4595	lbs/ft (kN/m)	5,320 (77.6)
Wide width tensile (MD) ¹	ASTM D-4595	lbs/ft (kN/m)	5,320 (77.6)
Wide width tensile elongation ³	ASTM D-4595	%	20
Pore size ^{2,5} 0 ₉₅	ASTM D-6767	microns	195
Pore size ^{2,5} 0 ₅₀	ASTM D-6767	microns	85
Permittivity ^{1,5}	ASTM D-4491	sec ⁻¹	0.5
Water flow rate ^{1,5}	ASTM D-4491	gal/min/sf (l/min/sm)	50 (2,037)
Aos ^{3,5}	ASTM D-4751	US Std. Sieve (mm)	40 (0.425)
Wet front movement ⁴ , vertical direction, 11 minutes	ASTM C-1559	inches	6
Wet front movement ⁴ , horizontal direction, 950 minutes	ASTM C-1559	inches	75

¹Minimum average value

²Nominal value

³Maximum average value

⁴Minimum test value, ASTM C-1559 modified, standard temperature and pressure

⁵At the time of manufacturing; handling, storage, and shipping may change these values

ROLL DIMENSIONS

Roll Width	ft/m	15/4.57
Roll Length	ft/m	300/91.4
Area	yd ² (m ²)	500/418