



Enhance Pavement Performance with Synthetic Aggregate

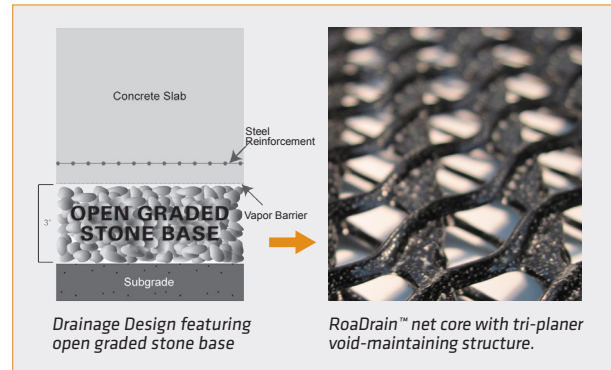
Water retention within a pavement layer is the primary cause of pavement failure. Without adequate underlying drainage, a pavement section is likely to fail prematurely. When an open-graded aggregate base layer is specified, there can be concerns with erosion and chemical leaching that bring its effectiveness into question. The Roadrain™ System is the engineered solution that consists of a synthetic subsurface drainage layer providing a flow rate up to five times greater than a typical open-graded base layer. The product features durable, nonwoven geotextile filters that are laminated to the top and bottom of a triplanar geonet core. The result is a sub-surface drainage layer that maintains a flow void and out performs open-graded base layers in the functions of drainage, longevity, ease of installation and cost.

FEATURES & BENEFITS

- Economic alternative to open graded aggregate (free-draining base layers)
- High in-plane flow rates/decreased time to drain
- Void-maintaining structure/true capillary break (for freeze-thaw areas)
- Resistance to high normal loads/maintains flow rates
- Ease of installation/reduced construction schedule
- Can be used with less processed structural fill/lower material cost
- Synthetic separation/strength preservation of structural fill
- 45° channel orientation/ allows roll installation parallel to center line of road

APPLICATIONS

- Roadways
 - Under aggregate base coarse
 - Directly beneath PCC
 - PCC joint repair
- Parking lot and paved walkway drainage layers
- Embankments and dike drainage
- Alternate to granular blanket drains
- Wherever aggregate drainage material is used



The Roadrain Roadway Drainage System can replace the open graded stone base layer in a drainage design.

ADDITIONAL INFORMATION AND SERVICES

Tensor International Corporation, the leader in geosynthetic soil stabilization and reinforcement, offers systems for improving structures such as roadways, railyards, construction platforms and parking lots. Our products and technologies, backed by the most thorough quality assurance practices, are at the forefront of the industry. Highly adaptable, cost-effective and installation-friendly, they provide exceptional, long-term performance under the most demanding conditions. Our support services include site evaluation, design consulting and site construction assistance.

For more information on how the Roadrain Drainage System can bring value to your next roadway project, please call 800-TENSAR-1.

Tensor®

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