TENCATE

Mirafi®

GEOSYNTHETICS

High Performance Geotextiles for Haul Roads

TENCATE™

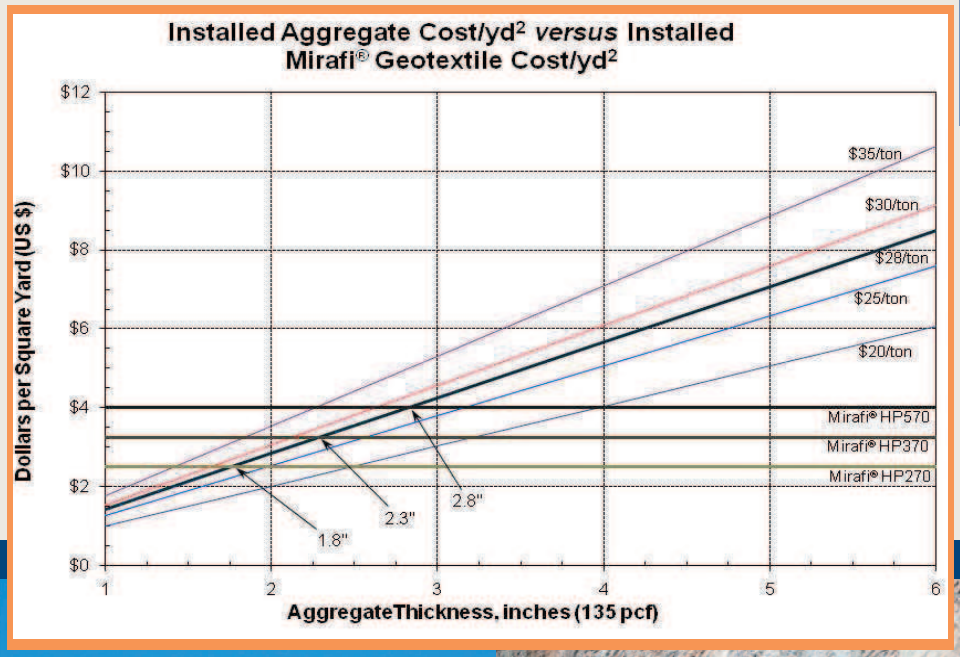
materials that make a difference

Haul Roads are typically designed with aggregate surfaces to carry heavy loaded truck traffic. They can tolerate more surface rutting than is permissible for paved roads. The pavement structure includes an aggregate layer with or without geosynthetics. Softer subgrades may utilize a high strength, high modulus geosynthetic to aid in wheel distribution and saturated subgrades may require a high strength, high modulus geotextile to provide separation and reinforcement.

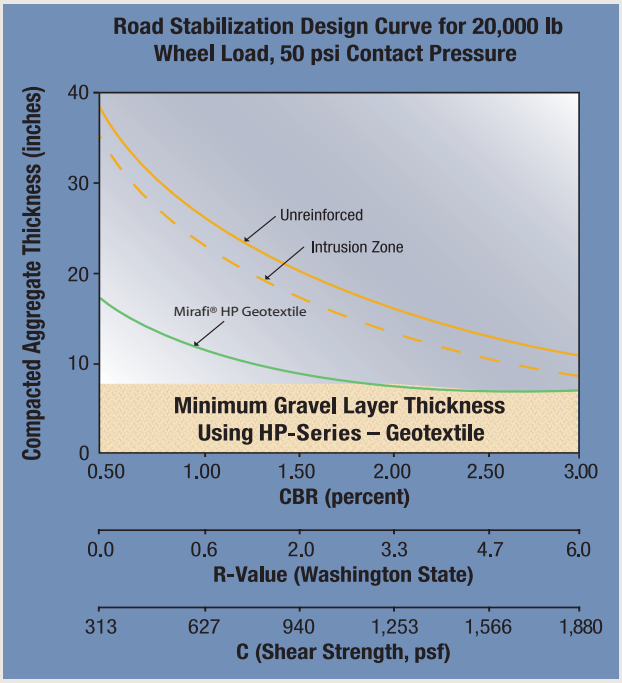
Haul Roads

The economical design of haul roads can be a challenge to the engineer faced with soft subgrades and poor load-bearing soils. Typical applications can include logging access roads, mine haul roads, site access roads, forest service roads, industrial facility roads and energy production facility roads including oil & gas exploration, solar and wind farms.

Aggregate Reduction and Cost Savings



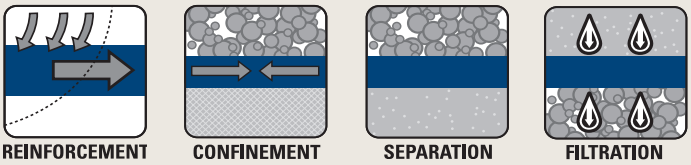
Construction Over Soft Subgrades



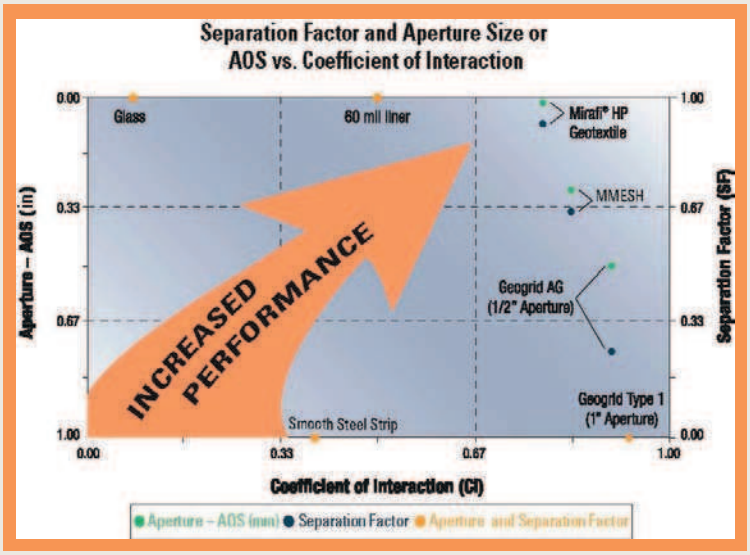
Stabilizing a soft subgrade for a haul road or working platform is simplified with high performance geotextiles that provide four functions (reinforcement, confinement, separation & filtration). In large deformation systems, a high strength, high modulus geosynthetic, such as a Mirafi® HP geotextile, works to reduce - penetration of the aggregate into the subgrade, rutting by distributing the load and aggregate costs by reducing the need to continually add aggregate. Detailed installation instructions are available online at www.mirafi.com.

Mirafi® HP-Series are the proven solution to reinforce against deformation for any soil-aggregate system. From stabilization of construction site roads, haul access roads, and construction site staging areas, to foundation pads, temporary detours and walls, Mirafi® HP-Series geotextiles offer superior strength, durability, and versatility. With three unique geotextile products – Mirafi® HP570, Mirafi® HP370 and Mirafi® HP270, we have the ability to provide the best solution for your soft subgrade condition.

MIRAFI® HP-SERIES - THREE PRODUCTS FOR HAUL ROADS



Mirafi® HP-Series woven High-Performance geotextiles comprised of high tenacity polypropylene yarns, combine the properties of high tensile strength at low strains, high modulus and superior confinement with sufficient hydraulic properties to provide filtration and separation. Easy to deploy and durable, Mirafi® HP-Series geotextiles maintain the aggregate layer and help create a stable, long lasting working platform for aggregate surfaced roads.



MIRAFI® HP570

One of the best options for severe loads or harsh installation conditions, Mirafi® HP570 provides high strength for reinforcing soft soils. Multi-axial strength combined with an excellent separation factor and controlled filtration & drainage allows Mirafi® HP570 to be safely used when stabilizing heavily saturated areas or when detailed in-situ subgrade conditions are unknown.

MIRAFI® HP370

Used for heavy loads or moderate installation conditions to construct haul roads and access roads, Mirafi® HP370 combines a high separation factor with good drainage and filtration properties, speeding construction and insuring long term performance.

MIRAFI® HP270

Possessing very good separation, filtration and drainage properties, Mirafi® HP270 is appropriate for moderate loads or light installation stresses, and when subgrade conditions are known to have controlled moisture contents and/or the subgrade is dry but may become saturated.

TenCate™ develops and produces materials that increase performance, reduce costs or enable people to achieve what was once unachievable. Our goal is to contribute significantly to progress in the industries in which we work.

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