



Veritas Green Asphalt Rejuvenator is a spray applied asphalt rejuvenator developed by Aztec Asphalt Technology. Aztec is the R&D group attached to Total Asphalt Rejuvenation, a 30-year-old company specializing in rejuvenating roads and other asphalt assets primarily along the east coast of the United States.

Asphalt is made up of mainly two components – asphalt binder (a bi-product of the petroleum refining process) and sand and stone. From the moment a road is paved it begins to age and the part that ages is the binder. In Florida the easiest way to notice this is the “bleaching” of the black binder at the top of the paved course. Aside from the coloration, aging is typified by stiffening and hardening, which begins the cycle of the deterioration of the road.

In order for binder to hold the stone and sand in place it must be flexible – it must be able to stretch and come back to form as traffic drives over it. As soon as the binder begins to stiffen - raveling, cracking, and potholes begin to occur and costly repairs must be done to maintain the service life of the road.

The key to a healthy road – with a long service life - is keeping the binder in good condition.

Rejuvenation is the process by which a specialty material can be sprayed on a road that will absorb at least 3/8” deep into the binder and bring back the flexibility caused by the aging process. A good rejuvenator will not just soften the binder but restore (or rejuvenate) the viscoelastic properties over time.

At the heart of Veritas Green is a bio-based asphalt rejuvenator called Sylvaroad RP1000.

Bio refiner Arizona Chemical (acquired by Kraton Corp, symbol KRA) spent three years, and over \$20M developing this asphalt additive, initially designed to revolutionize the use of RAP (recycled asphalt product) in road pavements. Sylvaroad allows much higher proportions of RAP to be used and produce a better-performing pavement by rejuvenating the properties of aged (hard) binder.

What it essentially does is mobilize the chemical matrix of aged binders, and restores the properties of the aged binder so that it behaves like new. This performance on aged binder is harnessed by Veritas Green in a sprayable product, delivering cutting edge chemistry to the aged binder in roads and parking lots.

Produced from 90% refined bio renewable materials, Sylvaroad RP1000 is a derivative of tall oil which comes from pine trees. It was designed so a +/- 1% dosage by weight is required to restore an aged binder's properties, this is especially important as a spray-on application, allowing less material to be sprayed on a road in order to restore the binder performance. In addition, Sylvaroad is fully miscible, thermally stable and has a higher flash point than bitumen.

Though some biomaterials can be inconsistent, this product has been engineered specifically for its application which means its performance will not vary, again, especially important when used as a spray-on.

Sylvaroad RP1000's sustainability credentials are an added bonus. The "greenness" of a product is quite often secondary to performance. Superior performance is what initially drives customers to a product. When you combine that with the bio renewable element, then you have a pretty compelling value proposition. This is particularly important when the product is sprayed in HOA's and other residential areas, that can be dense with homes children, pets, flora and fauna.

SYLVAROAD™ RP1000 Performance Additive, produced by Kraton, a global copolymer producer, helps make asphalt recycling and rejuvenating more sustainable by enabling high-performance reuse of recycled asphalt pavement. The additive also improves resource efficiency by reducing the need for virgin aggregates and liquid asphalt (i.e. new roads), while reducing the overall environmental impact of road construction by extending the service life of roads which translates into less new asphalt being manufactured and big savings for asphalt owners!

Derived from crude tall oil (CTO), a bio-based raw material that is a byproduct of the paper manufacturing industry, SYLVAROAD™ RP1000 High Performance Additive makes effective use of existing resources to help make asphalt road construction and maintenance more economical, durable and sustainable.

Aztec has used Sylvaroad as the rejuvenator in our Veritas Green product since its inception and in 2025 Aztec acquired the patents and technology from Kraton fortifying our supply chain and allowing R&D to continue.

The other part of the Veritas Green story is how are we able to spray this material on roads and get it to absorb quickly and not pose any sort of friction safety issues? Aztec has developed a patent pending delivery system that combines the Sylvaroad rejuvenator with a proprietary water-based polymer. This combination results in a dry time of minutes, deep absorption into the wear course and very fast road openings after treatment.

With HOA managers and residents in mind Veritas Green has NO ODOR, is NON-HAZMAT, has NO SOLVENTS, will not track onto driveways and poses no danger to people pets or plants. And cleans up with soap and water!

Veritas Green has been hailed as the “Best-of-Breed” spray on rejuvenator by road professionals across the country – and Total Asphalt Rejuvenation offers this product exclusively to its customers.