CARBONYTE SYSTEMS INC

PAVEMENT PRESERVATION COATINGS TECHNOLOGY | AEROSPACE COATINGS TECHNOLOGY

TRACTIONSEAL™

Emulsion Adhesive Technology
Fog Seal - Seal Coat - Slurry Seal

TractionSeal™ is a plural component, single package, reactive, high molecular weight polymer modified seal coat. The core adhesive consists of a thermotropic - grafted terpolymer of SEBS, bio-resin and esterified EVA. ***TractionSeal***™ is designed to penetrate deep into pavement substrates where it permanently weather seals airport, street and highway apron surfaces. Product may be applied as a mineral filled sealer through spray, broom, or squeegee apparatus; also, may be applied as an unfilled coating through high volume equipment (distributor truck). Within as little as a few minutes after installation a tough but ductile, black satin surface permanently protects the underlying asphalt surface from tire wear, sun degradation and moisture. The high molecular weight and high softening point of this material prevent tracking or displacements by rolling traffic in the heat of the day. ***TractionSeal***™ is filled with an engineered hydrocarbon additive, which is provided as an emulsified, high molecular weight thermoplastic. It exhibits a high softening point (>160ºF), good low temperature ductility and excellent hydrolytic stability; as well as superior adhesion to moist mineral surfaces.


Hawaii
Hickam AFB

Available – 55 gal drums, 250 gal totes, and bulk transfer.


John Wayne Airport


Night-time Spray Application

TractionSeal™ Advantages:

- ***Carbonyte's FP blend Fuel PROOF*** *to 1K kerosene/jet fuel & called out in FAA fuel tests.*
- ***GREEN:*** *Near zero VOC; and odorless.*
- ***FRIENDLY:*** *Safe to handle and store.*
- ***ECO-SAFE w/NO PAHs:*** *Cured container residue safe for municipal landfill*
- ***FAST CURE:*** *May cure in* ***less than twenty (20) minutes,*** *in optimal conditions, to a track free surface.*
- ***Unique reactive chemicals*** *attack natural metal oxides present in the exposed aggregate surface.*
- ***VERSATILE/CUSTOMIZABLE:*** *Chemical resistance, rate of cure, final surface hardness and skid characteristics can be modified to meet local specifications.*
- ***STRONG:*** *High temperature, tire scuff resistant to power steering abuse.*
- ***WATER Soluble:*** *Easy clean up with water.*

Uses:

- ***Seals asphalt pavement surfaces against sun and moisture damage.***
- ***Rejuvenate oxidized asphalt roofing felts.***
- ***Seals all concrete surfaces against water absorption into micro-fissures.***

TractionSeal™ Composite Road Surfacing:

1. ***Fills fissure & cracks*** with a highly elastomeric rubber more effectively than chip seal
2. ***Locks down*** the fines-mastic matrix surrounding the uppermost stone better than either chip seal or a conventional slurry
3. ***Reflexibilizes (rejuvenates)*** the uppermost ageing asphalt element
4. ***Restores micro-texture*** to the driving surface with increased skid coefficient
5. ***Provides a sun and water resistant***, new, black surface which outlasts the original asphalt's color retention and water resistance
6. ***RECYCLE:*** Utilizes scrap tires
7. Absolutely ***100% environmentally*** "***clean***"


Naval Parking Lot Application

TractionSeal™ versions:

1. Atomized Slurry: -150 stone
2. Seal Coat: -30 stone
3. Type 'S' Slurry: -16 stone

TractionSeal™ may be spray or squeegee applied through conventional equipment. The Atomized Slurry version may be heated and diluted up to 100% for quick-to-open traffic conditions. The composite gel concentrate is extremely separation stable and may be stored for long intervals without any need of stirring, except just prior to use, whereupon it is appropriately diluted.

Proven Performance:

TractionSeal™ ***composite Road Surfacing*** is the innovative end product of over eighteen years of continuous, intensive development by a team of Lockheed Martin aerospace scientists, chemical engineers and field technicians backed up by expert contractors and manufacturing. Ever improved iterations have been commercially applied since 1998 on major highways, airports and parking lot surfaces. Estimate of worldwide installation over the last 12 years now exceeds 100 million gallons.

Made in USA

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