

## CARBONSEAL-FR<sup>™</sup>

Emulsion Adhesive Technology Fuel Resistant Sealcoats

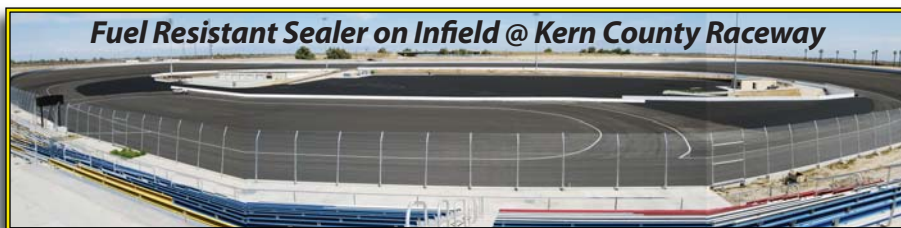
- **FAA FUEL RESISTANT** Sealer - ASTM D2939 Certified
- **ECO-SAFE:** Non-toxic, Low PAH asphalt based sealcoat
- **VERSATILE:** Can be custom designed as a Spray Applied Aggregate Slurry for your Specific Asphalt Pavement Index.



FBO @ John Wayne Airport

Carbonyte Systems presents **CarbonSeal-FR<sup>™</sup>** Liquid Sealant is a FAA Fuel Resistant, non-toxic, Low PAH asphalt, plural component, single package, reactive, high molecular weight polymer modified asphalt surface treatment making **CarbonSeal-FR<sup>™</sup>** the BEST Coal Tar Alternative, surpassing the old standard for fuel resistant coatings. **CarbonSeal-FR<sup>™</sup>** 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.

**CarbonSeal-FR<sup>™</sup>** Liquid Sealant is filled with an engineered hydrocarbon additive, which is provided as an emulsified, high molecular weight thermoplastic. It exhibits a high softening point (>160°F), good low temperatures ductility and excellent hydrolytic stability; as well as superior adhesion to moist mineral surfaces.



Fuel Resistant Sealer on Infield @ Kern County Raceway

### CarbonSeal-FR<sup>™</sup> Advantages:

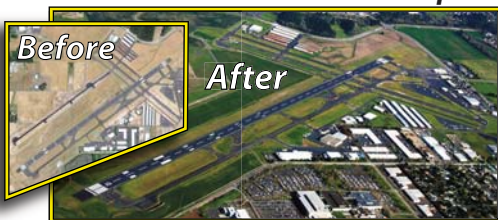
- **GREEN:** Near zero VOC & odorless.
- **FAA Fuel Resistant per ASTM D 2939 - Certified!**
- **Coal Tar Alternative** for Fuel Resistant Surface Treatment.
- **Jet Fuel** (Jet A thru JP-8) & motor vehicle oil / lube **resistant**.
- **Environmentally Safe:** Low to Zero PAHs + non-carcinogenic
- May cure in less than twenty (20) minutes, in optimal conditions, to a track free surface.
- **AIRPORT READY:** Excellent resistance to high shear stress.
- **Eco-Friendly:** Cured container residue safe for municipal landfill.
- **STRONG:** High temp, tire scuff resistant to power steering abuse.
- **Unique reactive chemicals** attack natural metal oxides present in the exposed aggregate surface.
- **CUSTOMIZABLE:** Chemical resistance, rate of cure, final surface hardness & skid characteristics can be modified to meet local specs.
- **WATER Soluble:** Easy clean up with water.

**Don't be fooled by others claiming "Fuel Resistance" for their sealers, every sealer can resist fuel for a short time. There needs to be a standard, and currently the FAA standard for Fuel Resistance is the US Specification ASTM D2939. CarbonSeal-FR has passed the test and can legitimately claim FAA Fuel Resistance.**

### San Francisco Int. Airport



### Hillsboro Airport



### Uses:

- Airport Asphalt Runways, Taxiways, Tarmacs/Ramps, Fueling Stations, Aircraft holding areas.
- Vehicular Parking, Storage areas, Ports, Roadways, Tunnels.
- Protects asphalt pavement by resisting Fuel/Oil/grime spills from aircraft and other vehicles.
- Seals asphalt pavement surfaces against sun and moisture damage.
- Rejuvenate oxidized asphalt parking lots & fueling areas.
- As a Fuel Resistant, Environmentally Safe Coat Tar Alternative.

