

The Global Leader in Pavement Rejuvenation



REJUVASEAL®

What is Rejuvaseal?

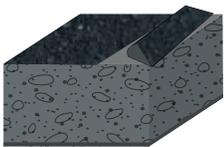
RejuvaSeal is a revolutionary, three-in-one asphalt rejuvenator that seals, protects, and revitalizes asphalt pavement. Unlike old fashioned seal coats, RejuvaSeal is designed to penetrate the surface of asphalt and become an integral part of the binder.

In addition to its ability to rejuvenate, RejuvaSeal is a very effective sealer. The capability to penetrate gives RejuvaSeal unique sealing characteristics.

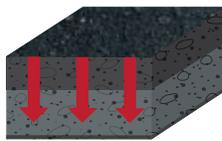
Asphalt surfaces treated with RejuvaSeal are fuel, water, and chemical resistant. Independent test results confirm RejuvaSeal's safety and durability.

How does Rejuvaseal Work?

Penetration allows RejuvaSeal to seal and rejuvenate without changing the surface structure of the asphalt. Grooved runways or roads do not have to be re-grooved, nor is PFC asphalt degraded. RejuvaSeal is durable. During thermal cycles, RejuvaSeal contracts and expands at the same rate as the asphalt. In comparison, other emulsions and sealers simply lay on the surface. They undergo a markedly differing expansion and contraction rate from the asphalt. This eventually leads to cracking, pin-holing, and delamination. RejuvaSeal will not delaminate. Guaranteed.



A Traditional Sealcoat
Simply coats the surface and wears away. It is subject to cracking and delamination.



RejuvaSeal
Penetrates and seals the asphalt pavement, while restoring flexibility. It will not delaminate.



Understanding the asphalt pavement life cycle.

Asphalt is an organic material and is thus susceptible to the actions of nature. From the day it is placed, asphalt pavements begin to deteriorate. Air, water and ultraviolet rays from the sun cause the surface to oxidize.

In Stage 1, oxidization leads to loss of bitumen, the oily resinous fraction of the hydrocarbon molecules. The loss of bitumen leads to increased viscosity and decreased ductility. Water and other harmful contaminants begin to erode the asphalt pavement.

If left untreated, small cracks begin to develop in Stage 2. These cracks allow air and water to further damage the binder leading to loss of fines, larger cracks and water seepage.

Eventually, the pavement will deteriorate to the point that it loses its structural capabilities. If proper maintenance is not taken before Stage Three, high costs of re-paving or reconstructing are likely to result.

By understanding the life cycle of asphalt and how roadways deteriorate, roadway managers can save substantial repair costs by taking preventive maintenance measures before irreversible damage occurs. RejuvaSeal reduces the life-cycle cost by sixty-seven percent or more.

*RevjuvaSeal meets and exceeds
U.S. Federal Aviation Administration Engineering Briefing 44B*



RejuvaSeal has revolutionized the approach to long-term maintenance of asphalt.



Application rate and methodology.

RejuvaSeal's optimal application rate is dependent on pavement design, age and existing pavement condition.

A test patch should be completed 24 hours prior to application to determine the optimal rate. In general:

- Average application rate is approximately **0.065 gallons per yd² or 0.29 liters per m²**.
- Using the average application rate **1 gallon covers 15.4 yd² or 1 liter covers 3.4 m²**

Machine application

For applications covering a large surface area, RejuvaSeal can be applied with a precision spraying machine such as a DESCO D200. This compact machine contains a computer-controlled flow rate to ensure uniform application of the material. As a point of reference, a DESCO D200 can treat an area of approximately 6,000 – 9,500 yd² per hour or 5,000 – 8,000 m² per hour.

Conditions for application

RejuvaSeal should be applied to pavements before they begin to show the deleterious signs of age. The surface must be clean and dry with a surface temperature of 50°F (10°C) or above. Depending on weather condition and porosity of the asphalt surface, RejuvaSeal usually takes about 4 to 12 hours before open to traffic.



REJUVASEAL®



What we do.

Pavement Rejuvenation International, LP (PRI) and Crown Capital Enterprise Limited (CCEL) are full service companies specializing in the research, development and manufacturing of pavement preservation technologies. PRI and CCEL provide equipment, chemicals, processes, and technical advice on the testing and restoration of pavements worldwide.

PRI is the Western Hemisphere manufacturer of RejuvaSeal, the world's premiere asphalt cement rejuvenator. PRI distributes its product through Certified contractors, such as Hi-Lite Markings, Inc., (www.hi-lite.com) the leading airport pavement preservation contractor in the world. From its manufacturing facility in Buda, TX, PRI has distributed RejuvaSeal for projects throughout the United States, Canada and Latin America.

CCEL is the Eastern Hemisphere manufacture of RejuvaSeal with manufacturing facilities in Kunming, China. With offices in Hong Kong, CCEL is able to serve customers throughout China and beyond.

**REJUVA SEAL®**

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