

What is Ace Seal?

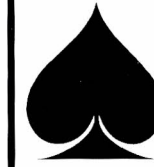
- *Ace Seal consists of a mixture of emulsified asphalt, water, mineral fillers, and various other admixtures.*
- *Ace Seal is applied directly to the surface of the asphalt pavement. It can be applied by rubber squeegee, broom, or mechanical spray.*
- *Ace Seal serves to seal the top of the asphalt, preventing water from penetrating the surface of the pavement and protecting the top layer of asphalt from oxidation and wear caused by exposure to the sun and air. Ace Seal also beautifies the pavement by providing a smooth, black, even surface ideal for painting lines and sweeping.*
- *Ace Seal is designed for off-highway use where there are low traffic speeds and tight turning radiuses such as parking lots, mobile home parks, schools, shoulders, etc.*

A.S.M.A. Standard Specification-Cal Trans 37-4
All asphalt pavement should be sealed with two coats of Ace Seal with surface preparation and application to conform to manufacturer's recommendations.

Test	Requirement	Ace Seal
General Appearance	Material shall be homogeneous and show no separation that cannot be overcome with	Passes
Non Volatile—%	47 Minimum	51.9
Non Volatiles that are asphaltic -%	25-45	34.7
Density of liquid—Lb/Gal	8.33-11.0	9.1
Cone Penetration. Gives hardness of asphalt, a lower number indicates harder asphalt	35-85	35.0
Wet Track Abrasion. Gives index of wear, a lower number indicates better wear	5-50	8.0
Accelerated Weathering	No Deterioration	Passes
Additives: Vinyl Acrylic for color retention and wear resistance	0-2%	1.0%
Color Pigment for Color Improvement	—	Yes

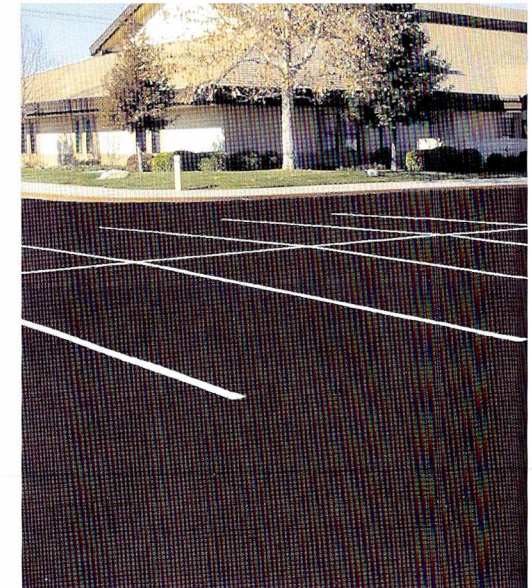
Asphalt Coatings Engineering
851 H Street Wasco, CA 93280
(661) 758-3051

www.acesealcoat.com
aceseal@lightspeed.net



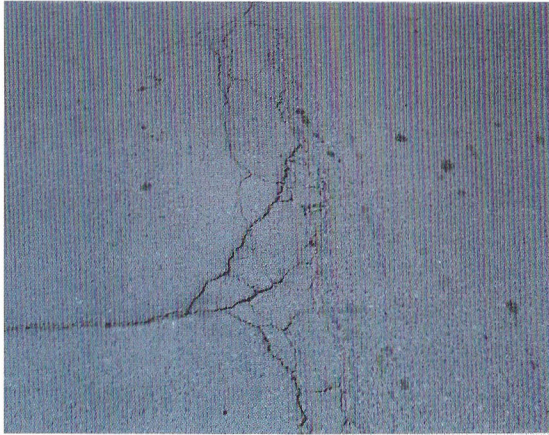
**Asphalt Coatings
Engineering**

The Benefits of Sealcoating with **Ace Seal®** Pavement Sealer



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What causes asphalt pavement to fail?



- A 3 year old pavement, never sealed.
- Assuming that the initial asphalt pavement was designed and constructed properly, the primary cause of failure is the penetration of water into the asphalt base.
- This process begins with the oxidation of the pavement surface which causes the asphalt to dry and become brittle, this leads to the erosion of the top layer of fine particles and the appearance of larger stones and small cracks on the surface.
- If left untreated these cracks grow over time and eventually allow water to penetrate to the base of the pavement.
- When water enters the base of the pavement the base material moves and settles leading to further cracking and an “alligator appearance”.
- When the pavement reaches this stage the only option is removal and replacement of the old asphalt.

How does Sealcoating with Ace Seal help?

- Ace Seal seals the asphalt pavement, preventing the oxidation and erosion of the top layer of asphalt.
- On older pavements Ace Seal replaces fine particles lost from the asphalt surface due to oxidation.
- Ace Seal seals the small cracks that can turn into large cracks and prevents water from seeping down to the base material.
- Ace Seal helps protect the asphalt from the sun as well as the harmful effects of chemical spills such as oil and gasoline.
- Ace Seal provides an attractive black surface that is ideal for painting lines and other markings.
- Ace Seal leaves a smooth, clean surface ideal for sweeping, lowering maintenance costs.
- Sealcoating with Ace Seal costs pennies a square foot compared to the dollars needed to repair or replace damaged asphalt.



- A 20 year old pavement sealed every three years.

When should sealcoating be done?

- Generally it is recommended that new asphalt pavement be allowed to cure for a few months prior to sealing.
- After a surface has been sealed it should be re-sealed every 3-4 years or as necessity dictates.

Are all sealcoat materials the same?

- No. Ace Seal is a superior product to other sealcoat products available.
- Ace Seal contains a higher asphalt, and lower filler content than other sealers which contributes to its superior wear characteristics.
- Ace Seal contains slate particles as opposed to sand. Slate is much blacker than sand and doesn't get “torn out” of the material by tires like sand does.
- Ace Seal has a color enhancing additive making it jet black and it stays black longer than any other sealer available.

Sealcoating with Ace Seal costs pennies a square foot and will save you dollars in costly pavement repairs.