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## The Elements That Destroy Your Investment



### **Weather. Oxidation. Oils. Salt.**

A properly designed and constructed parking lot rarely wears out just from the traffic. Surface deterioration is primarily caused by weathering, oxidation and the destructive softening effects of gasoline, oils and de-icers.

**Sunlight & Oxidation** cause the aggregate to ravel from the surface. This makes pavement rough. The surface becomes brittle, cracks form, and the pavement deteriorates.

**Water** causes major pavement damage. It destroys the cohesive strength of the pavement. Water penetration encourages cracking while freeze-thaw cycles widen cracks and accelerate the damage.

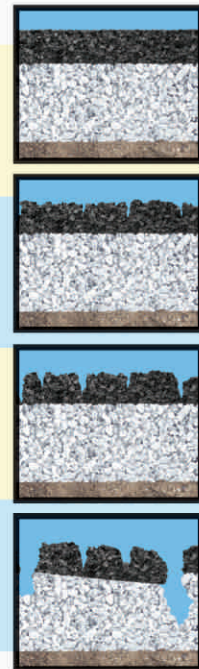
**Gasoline, Oil & Jet Fuel** dissolve asphalt. This causes localized pavement failure and unsightly stains.

*The Asphalt Institute confirms that air, sunlight and moisture are the major causes of surface deterioration. Unprotected surfaces oxidize and allow the aggregate to be washed away.*

*Unprotected pavements lose flexibility; aggregate ravel from the surface and the pavement becomes rough. The surface becomes brittle and cracks develop.*

*Water penetrates the cracks and damage progresses. Hydraulic pressure (expansion and contraction) enlarges the cracks. Damage occurs faster under heavy traffic and/or during freeze-thaw cycles.*

*Cracks allow water to penetrate to the sub-surface and rupture the pavement; causing small cracks to enlarge until the pavement actually separates, creating a pothole.*



**Tests show that in just five years of progressive weakening, erosion, oxidation and raveling due to these elements can reduce unprotected pavement thickness significantly, requiring costly repairs and/or resurfacing.**

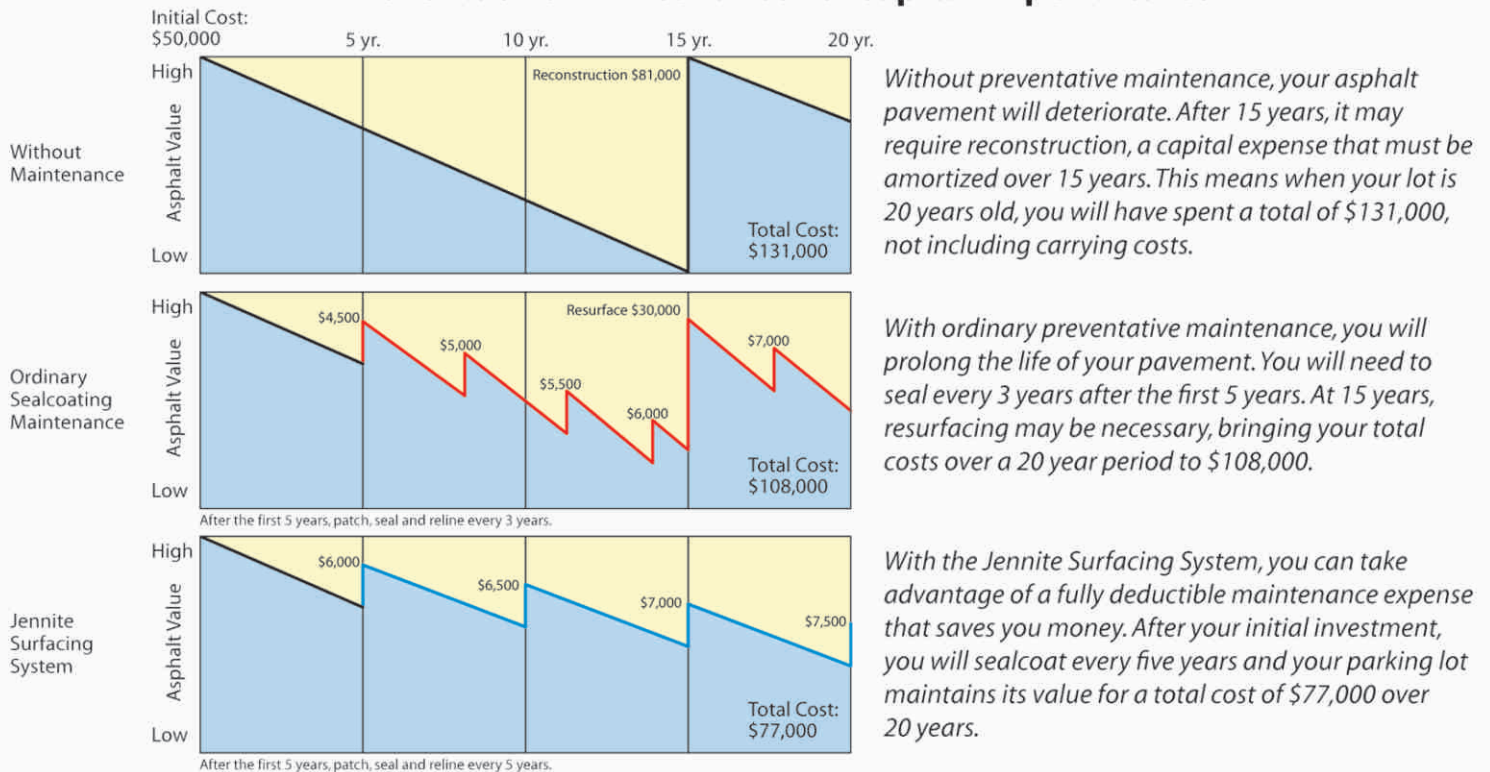
# Defy the Elements with Jennite!

The challenge of every property manager is to protect their investment and keep the property looking new while controlling maintenance costs. Today, it is especially important to preserve your parking lot since asphalt, a petroleum product, has dramatically increased in price.

- ▼ *Jennite delivers the longest lasting asphalt pavement protection with the lowest annualized cost.*
- ▼ *Jennite is a fully deductible maintenance expense.*
- ▼ *Protect your investment with Jennite and avoid replacing your parking lot, a potential savings of 40%.*
- ▼ *Minimize interruptions and inconvenience to your business by using Jennite instead of an ordinary sealer.*
- ▼ *Jennite is only applied by a national network of trained, insured and licensed contractors.*

## Investment Analysis

### Preventative Maintenance vs. Capital Expenditures



## What National Pavement Experts Say

Studies by several government agencies, validated by the Army Corps of Engineers and American Public Works Association, have shown that pavements not properly maintained for fifteen years will cost five times more to maintain than pavements continually maintained over the same period.

Preventative maintenance results in huge savings. USDOT FHA Pub. No. FHWA-SA-96-07 has proven that the timely maintenance of your asphalt pavement can be four to five times more cost effective than reconstruction.

According to the Asphalt Institute research, if one does not seal, fine hairline cracks appear in the pavement surface and this is the start of a maintenance problem. By sealing, the life of the pavement is extended. If one seals immediately, (providing other variables that lead to pavement failure do not come into play) you should be able to extend the pavement life almost indefinitely.



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