




# Inside Information On How To Protect Your Blacktop Investment



**BONSAL  
AMERICAN**<sup>™</sup>  
*an Oldcastle® company*

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## Protect Your Blacktop Investment

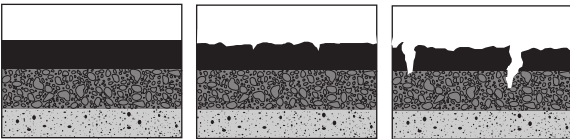
### PROBLEM:

#### Unsealed Asphalt Surfaces Break Down and Deteriorate

The sun's ultraviolet rays bake the essential strength and flexibility properties out of asphalt, leaving it brittle and full of hairline cracks that make the surface vulnerable to water invasion. Aggregate raveling from the surface and the pavement becomes rough. Water penetration enlarges cracks and freeze/thaw cycles add to the breakdown.

Further surface deterioration occurs from gas and oil leaks that soften and pit the asphalt. These stained areas combine to give an unsightly and uncared-for look to a faded surface.

#### Effects of Freeze-Thaw



1. Surface oxidation - sunlight weakens the asphalt binder that holds the blacktop together.

2. Surface becomes brittle hairline cracks appear, aggregate raveling creates rougher surface.

3. Cracks reach sub-surface, water penetration and freeze/thaw causes surface separation.

GEM SEAL® asphalt maintenance products from Bonsal American offer a complete program to preserve your investment in asphalt. From surface preparation and sealcoating to the final paint striping, we've got you covered.

### SOLUTION:

#### GEM SEAL® Sealcoating Can Double the Life of Your Asphalt



#### SUN BLOCK

GEM SEAL® Sealers prevent asphalt surface oxidation by forming a tough protective outer skin.



#### WEATHERPROOFS

GEM SEAL® Sealcoating seals the porous asphalt surface, preventing damaging water penetration.



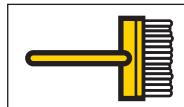
#### RESISTS GAS AND OIL

GEM SEAL® Sealers protect asphalt from the deteriorating effects of gasoline, oil, de-icers, and other harsh chemicals.



#### RESTORES APPEARANCE

GEM SEAL® Sealers provide the jet black finish and fresh, new appearance that improves the image of any business.



#### LOW MAINTENANCE

GEM SEAL® Sealers provide a smooth, even surface that facilitates cleaning and maintenance.



#### SAVES MONEY

Avoid expensive asphalt replacement by spending a few cents per square foot on GEM SEAL® Sealcoat protection.

### APPLICATION TIPS:

Product performance hinges on proper surface preparation and weather conditions. Surface air temperature should be a minimum 50°F and rising. Sealer should not be applied if rain is within a 24 hour forecast. Curing time is affected by temperature and humidity. A minimum of 24 hours of curing time is recommended before opening a surface to traffic.