

# ENDURABLEND™

## POLYMER CEMENT SURFACING

**Endurablend** is an “Ultra Thin” polymer modified cement coating system for asphalt and concrete surfaces. Recent developments in polymers and cement additives have led to a unique material that is extremely durable, has excellent bond strength to asphalt and concrete and is thermally compatible to both substrates. Endurablend also has the ability to hold aggregate without separation, providing significant friction characteristics. Endurablend can also be patterned to help in minimizing rain water on the surface. Endurablend is snow plowable and holds up to heavy traffic conditions. Endurablend is not affected by UV degradation, salts, petroleum products and most chemicals.

### Applications include:

**Bridge Decks**

**Airports**

**Sidewalks**

**Sea Walls**

**Parking Lots**

**Concrete Structures**

**And More...**



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## **POLYMER CEMENT SURFACING**

**Protects and Seals Surface from:**

**Salts**

**De-icing Materials**

**Petroleum**

**UV Oxidation**

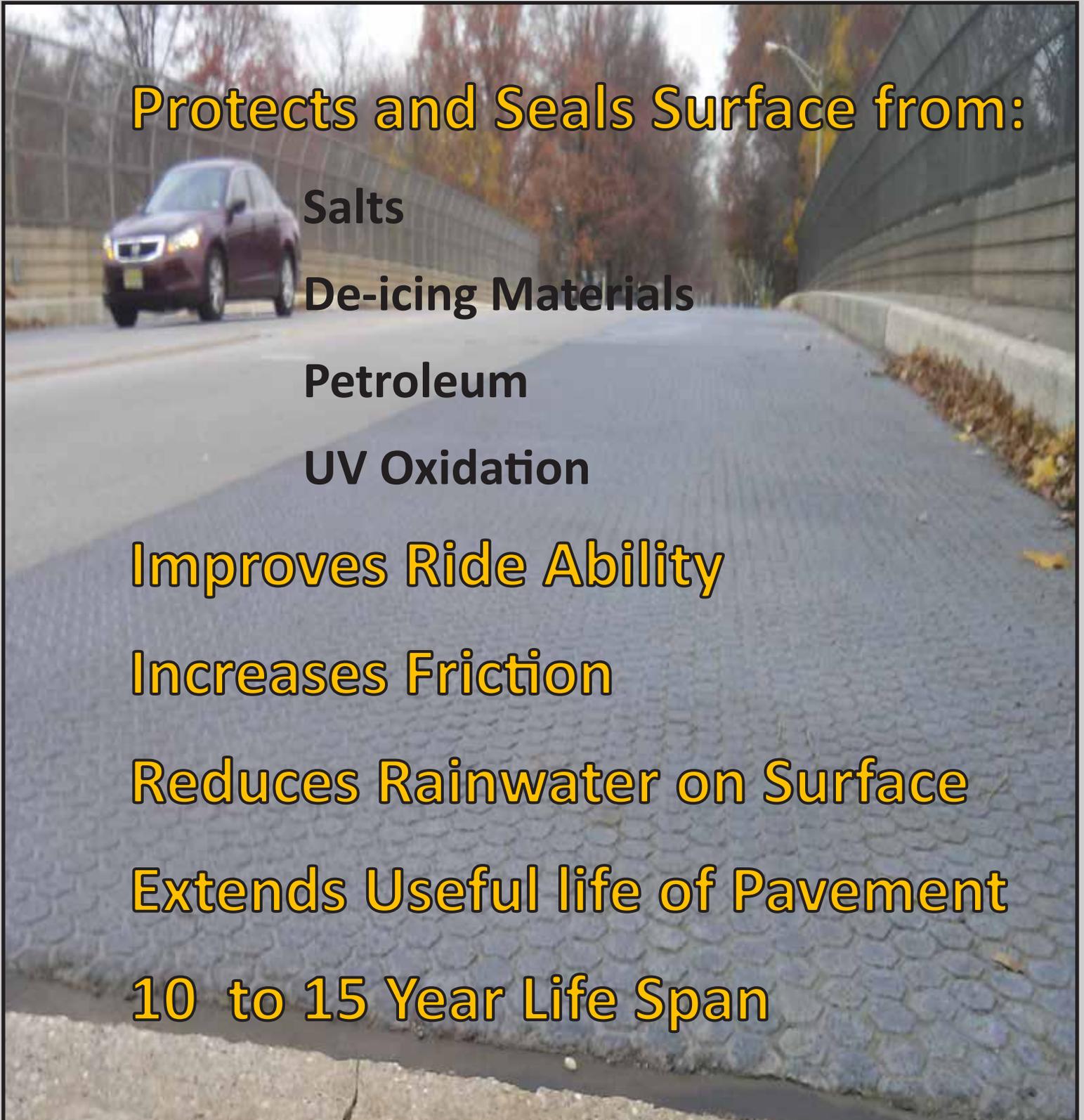
**Improves Ride Ability**

**Increases Friction**

**Reduces Rainwater on Surface**

**Extends Useful life of Pavement**

**10 to 15 Year Life Span**



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### Airports

Pavement Preservation and Rehabilitation

Pavement Markings

Re-Fueling stations

De-icing areas

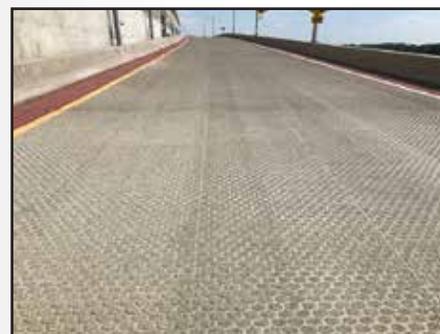


### Concrete Sea Walls

### Refurbish Old Sidewalks



### Paving Joints



### Concrete Ramps

And more.....

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### Endurablend™ Systems Specification Sheet

#### Endurablend Polymer Cement Material Properties

<u>Description</u>	<u>Test Method</u>	<u>Value</u>
Compressive Strength, (at 28 days) <sup>1</sup>	ASTM C-109	>3,100 PSI
Tensile Strength <sup>1</sup>	ASTM C-190	> 700 PSI
Bond Strength with Asphalt <sup>1,2</sup>	ASTM C-1583	> 250 PSI
Bond Strength with Concrete <sup>1</sup>	ASTM C-1583-13	> 250 PSI
Skid Resistance	ASTM E-1911	> 40
	ASTM E-274	> 40
Length Change <sup>1</sup>	ASTM C-157	≤ 0.024%
Solar Reflective Index <sup>3,4</sup>	ASTM C-1549	> 0.29
Flexibility <sup>5</sup>	1/2" Thick Beam under Static	≥ 1/2"
	Load—Max. Deflection	

<sup>1)</sup> The data shown is representative of laboratory test 28 day cured samples at 50% humidity.

<sup>2)</sup> Test sample must be prepared by overlaying 1/4" (6mm) of product on 12.5 HMA sample

<sup>3)</sup> A SRI of greater than 29 can be obtained by using pigments or changing the color index of the aggregate. It is not applicable where color pigments are requested.

<sup>4)</sup> Only applicable for projects where a LEED certification credit is a requirement of the surfacing or where a reflective surfacing is specified.

<sup>5)</sup> Use the same loading rate as for the ASTM C-109 test above.

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