



# ENDURABLEND™

## POLYMER CEMENT SURFACING

### Asphalt & Concrete Micro-Surfacing

**Endurablend** is a polymer modified cement mixed with aggregate. Recent developments in polymers and cement additives have led to a unique material that is flexible, durable, has excellent bond strength and the ability to hold large aggregate without separation. Because Endurablend has a low coefficient of thermal expansion, it can be applied to asphalt and concrete surfaces. Endurablend is unaffected by salts, petroleum products and most other chemicals. Endurablend can be used in snow areas and is not damaged by plows. Endurablend's low profile adds little weight to the structures and requires no adjustments to approaches, drainage or curbs.

#### Bridge Decks

Preventative Maintenance

Rehabilitation

Repairs HPC micro-cracking

#### Airports

Runways

Taxi Ways

Holding Areas

Refueling Stations

Pavement Markings

And More...





# ENDURABLEND™

## POLYMER CEMENT SURFACING

**Protects and Seals Surface from:**

**Salts**

**De-icing materials**

**Petroleum**

**Oxidation**

**Improves Ride Ability**

**Increases Friction**

**Extends Useful life of Pavement**

**Custom Colors, Patterns and Textures**

**7 to 10 Year Life Span**



# Other Endurablend Applications:



Proudly Manufactured in the USA



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## POLYMER CEMENT SURFACING

### 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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