

ENDURABLEND™

POLYMER CEMENT SURFACING

Product Data Sheet

PRODUCT DESCRIPTION

Endurablend™ is a polymer modified cement mixed with aggregates, fibers, and pigments to provide an extremely durable and versatile coating for concrete and asphalt surfaces. Endurablend™ is snowplowable and holds up to heavy vehicular traffic and extreme weather conditions. Endurablend™ is environmentally friendly (no VOC's), UV stable and protects the surface from oils, salts, and most chemicals. With Endurablend™, you can create virtually any color, pattern, or texture that you require. Special solar reflective pigments can be added to help in reducing the heat island effect (increase albedo) of asphalt pavements, resulting in lower ambient temperatures and better air quality.

WARRANTY

The standard manufacturer's warranty is for 3 years on roadways with ADT up to 50,000 vehicles per day.

PACKAGING & SHELF LIFE

Various types of packaging available including weatherproof containers to suit our customer's needs.

Shelf life varies depending on climate and storage facilities. However, there is a minimum of 1 year when stored in a waterproof container.

PRODUCT APPLICATIONS

- Preservation of asphalt and concrete pavements
- Decorative crosswalks and intersections
- Traffic calming and safety surfacing
- Bike and bus lanes
- Roadway logos and custom designs
- Pedestrian plazas
- Solar reflective coating



PRODUCT SPECIFICATIONS

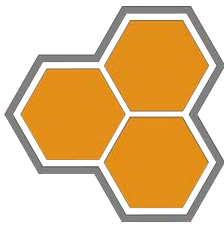
Endurablend Polymer Cement Material Properties

| Description | Test Method | Value |
|------------------------------------|--------------------------|-------------|
| Compressive Strength, (at 28 days) | ASTM C-109 | > 3,100 PSI |
| Tensile Strength | ASTM C-190 | > 700 PSI |
| Bond Strength with Asphalt | ASTM C-1583 | > 250 PSI |
| Bond Strength with Concrete | ASTM C-1583-13 | > 250 PSI |
| Length Change | ASTM C-157 | ≤ 0.024% |
| Solar Reflectivity Index | ASTM C-1549, ASTM E-1980 | > 0.29 |

COLORS AND PATTERNS

Endurablend comes in a variety of standard colors and specialized colors are available. A multitude of stencil patterns are provided and specialized stencils and designs are part of the services provided by the installers and manufacturer.





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INSTALLATION INSTRUCTIONS

Equipment

Endurablend is spray applied by trained and certified installers using specialized equipment capable of mixing and spraying in a self-contained unit. The size and nature of the equipment is dictated by the types of installations undertaken. Equipment is available capable of installing tens of thousands of square feet in a shift.

Surface Preparation

Endurablend can be applied to both asphalt and concrete. Care must be taken to ensure the substrate surfaces are clean and void of oils and residue. Concrete surface may be shotblasted in cases of loose gravel or severe spalling. All potholes and cracks need to be filled (with Endurablend or compatible alternative) prior to installation.

Weather Limitations

Endurablend is cement based and requires certain precautions governed by weather conditions. No installation should be commenced when greater than a 40% chance of rain within the next 12 hours. Endurablend should not be applied to substrates with surface temperature exceeding 120° F or below 40°F.

Placing

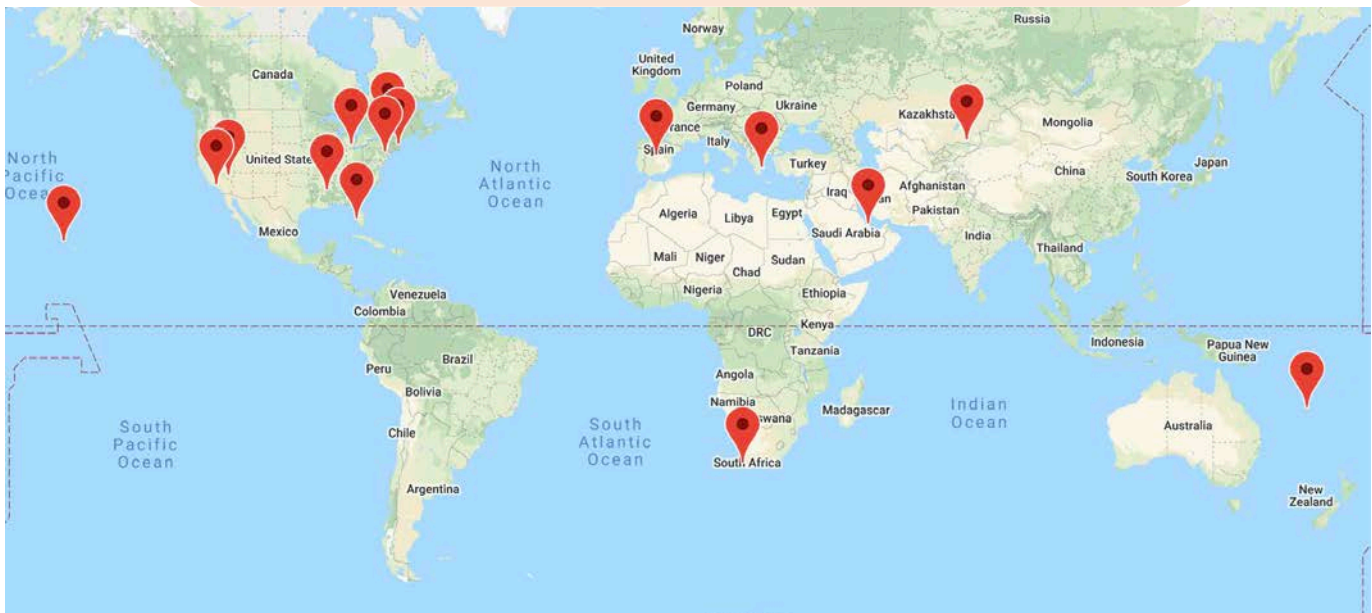
Endurablend can be applied to properly prepared new or aged substrates. There can be no standing water, but damp surfaces are acceptable. Endurablend can be applied as a monolithic coating or patterned, using stencils or taped designs. Various textures can be achieved with added specialized aggregates for aesthetics or increased friction. Typical applications are 1/16" to 1/8" (2 - 3 mm) thick.

Curing and Opening to Traffic

Installations can be open to traffic in 2 to 3 hours depending on weather conditions. Pedestrian areas can be opened sooner.

Availability

Endurablend is available in the continental United States, Hawaii, Canada, Spain, Sweden, Greece, Italy, Qatar, Kazakhstan, New Caledonia and South Africa



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