**DESCRIPTION**
ePAVE® Polymer-Based Pavement Coating, a Polymer based pavement coating, is a durable, high-friction wearing surface designed to be placed on asphalt pavements with distresses due to oxidation, surface wear, or exposure to UV, chemicals, oils, fuels, as well as new asphalt pavements. ePAVE® is considered a cool pavement since it decreases the heat on the surface of the pavement.
ePAVE® Polymer-Based Pavement Coating is also recommended for re-surfacing concrete bridge decks, providing a lightweight, durable and skid resistant surface.

**WHERE TO USE**
- Parking Lots
- Asphalt Walking Paths
- Oxidized Asphalt Pavements
- Athletic Surfaces
- HOA and Private Roads
- Repair of Wheel Path Rutting
- Golf Cart Pathways
- Airport taxiways
- Parking aprons
- Roads
- Concrete Bridge Decks
- Theme Parks
- School and University campuses

**ADVANTAGES**
- 100% Environmentally Safe
- Reduces Facility Owner's Carbon Footprint
- Resistance to Chemicals, Oils, Fuels, etc.
- Cost Effective Alternative to Seal Coat or Repaving
- Exceeds SRI Requirements for LEED® Certification
- Short Downtime
- No Milling Required
- No Odor or Tracking Issues
- No V.O.C. Emissions
- High Coefficient of Friction
- Rapid Setting
- Adheres to Asphalt and Concrete
- Aesthetically Pleasing.
- No Grade Transition Issues

**ADDITIONAL OPTIONS**
- Broomed finished for anti-slip
- Tined Surface for enhanced friction
- Water-based Sealer for color variations
- Use on steel (helicopter pads, platforms, etc.)

**COLOR**
- Available in light gray Solar Reflective (SR), Black, Dark Gray and assorted primary colors

**PACKAGING**
- **Small Kit**
  - ePAVE® Liquid Solution: 5 Gallons
  - ePAVE® Engineered Dry Blend Powder: 250 Pounds
- **Large Kit**
  - ePAVE® Liquid Solution: 56 Gallons
  - ePAVE® Engineered Dry Blend Powder: 2,800 Pounds

**PRECAUTIONS**
- Keep from freezing.
- Do not store in direct sunlight.
- Keep containers sealed when not in use.
- Store indoors in dry location.

**SHELF LIFE**
- ePAVE® Liquid Solution: 12 months in properly stored, unopened containers.
- ePAVE® Engineered Dry Blend Powder: 6 months in dry, indoor area - to prevent possible caking, do not stack more than 2 pallets high.

**THEORETICAL COVERAGE**
Applied as a single layer in most installations
- **Small Kit**: 300 to 425 Sq Ft
- **Large Kit**: 3,500 to 5,000 Sq Ft

Coverage estimates are for single layer installation at 1/16 inch (1.5mm) thickness on a moderately porous pavement surface. Actual consumption rates are dependent on many factors including, but not limited to: substrate texture and porosity, variations in application thickness and normal allowances for waste.

**APPLICATION**
The ePAVE® Polymer-Based Pavement Coating System is designed to be applied by the ePAVE Spreader and Device or other manufacturer approved equipment. Material to be applied exclusively by certified applicator.

**WASTE DISPOSAL**
These products, when discarded or disposed of in their liquid and cured form are not listed as a hazardous waste in Federal Regulations. Dispose of in landfill in accordance with current local, state and federal regulations.

**MIXING**
Mechanical mixing is required. For smaller areas, a 1/2 inch drill equipped with a “Jiffier” or “H” style mortar paddle mixer may be used. Mixing and placing equipment must be matched to the scale and scope of the project - consult ePAVE, LLC for recommended equipment packages. Proper mixing equipment and techniques will blend quickly and thoroughly without developing unnecessary shear creating heat buildup that leads to false-set of the material. Always adhere to equipment manufacturer’s guidelines and recommendations regarding mixing speed for proper blending of cementitious slurry materials.

- Ratio of ePAVE Liquid to ePAVE Powder = 1 gallon per 50 lbs.
- Up to 24oz of clean, cool potable water may be added per 50lbs of ePAVE Powder.

**Mixing sequence:**
1. Add 85% to 90% of the required ePAVE® Liquid Solution to the mixing container or mixer.
2. Mix slowly while gradually adding the ePAVE® Engineered Dry Blend Powder.
3. Continue mixing slowly and consistently to a lump-free, homogenous consistency.
4. Add only as much of the withheld ePAVE® Liquid Solution as needed to achieve desired workability.
5. Keep unused portions covered and out of direct sunlight.
DIRECTIONS FOR USE

1. Always follow Best Practice Installation Guidelines as established by ACI and ICRI.
2. Inspect surface for suitability. Extensive sub-base or substrate problems may require repairs outside the scope of ePAVE, LLC product line.
3. Repair deteriorated areas such as spalling, pop-outs, birdbaths, potholes, etc. with ePAVE product line to restore profile. Seal and repair cracks with crack repair system.
4. Ensure surface is free of all contaminants including oil, grease, dirt, laitance, fungus, efflorescence, mildew or any other contaminant that may prevent adhesion. Effective means of preparation include pressure washing, scarifying and shot blasting. If a degreaser product is required, use ePAVE, LLC® Concrete and Asphalt Degreaser or product approved for use by ePAVE, LLC®. Degreaser products must be completely removed by rinsing one or more times with clean water.
5. New asphalt should be allowed to weather for 30 days prior to application of ePAVE® Polymer-Based Pavement Coating. If timing is critical, then new asphalt surfaces should be thoroughly degreased and pressure washed. Two washings are recommended to remove excess oils.
6. Prior to application, surface must be power washed, free of loose particles and debris and conditioned to Saturated Surface Dry (SSD).
7. Set up equipment and mix materials as previously described.
8. Apply ePAVE® Polymer-Based Pavement Coating with approved application equipment.

SPECIAL CONDITIONS
- Application temperatures shall be a minimum of 50°F (10°C) and rising.
- Do not apply when rain is imminent or forecast within 10 hours of completed application.
- Substrate surface must be structurally sound.
- Previously sealed surfaces may require additional prep work (i.e. scarifying).

RECOMMENDED TEMPERATURE RANGE
- Ambient and surface temperatures 50°F (10°C) and rising to 100°F (38°C) is the standard range for successful application.
- When ambient temperatures exceed 95°F (35°C) or substrate exceeds 120°F (48°C) the surface should be lightly misted with cool, clean water - DO NOT SATURATE beyond a damp condition (no standing water).

PRODUCT PERFORMANCE PROPERTIES

<table>
<thead>
<tr>
<th>Performance Standard</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life*</td>
<td>10 to 40 minutes</td>
</tr>
<tr>
<td>Open Time</td>
<td>10 to 25 minutes</td>
</tr>
<tr>
<td>Application Temperature Range</td>
<td>50°F to 100°F (10°C to 38°C)</td>
</tr>
<tr>
<td>Color: Available in light Gray Solar Reflective, Black, Dark Gray and assorted primary colors</td>
<td></td>
</tr>
<tr>
<td>Initial Set (Vicat)*</td>
<td>15 - 60 minutes</td>
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<tr>
<td>Final Set (Vicat)*</td>
<td>30 minutes to 8 hours</td>
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<tr>
<td>Compressive Strength (3 Day) ASTM C-579</td>
<td>&gt;3,550 PSI</td>
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<tr>
<td>Compressive Strength (28 Day) ASTM C-579</td>
<td>&gt;6,220 PSI</td>
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<tr>
<td>Flexural Strength (3 Day) ASTM C-580</td>
<td>&gt;1,265 PSI</td>
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<tr>
<td>Flexural Strength (28 Day) ASTM C-580</td>
<td>&gt;2,239 PSI</td>
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<tr>
<td>Solar Reflectance Index ASTM C1549</td>
<td>32 SRI</td>
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<tr>
<td>Abrasion Resistance ASTM C-779</td>
<td>No statistical loss</td>
</tr>
<tr>
<td>Tensile Strength (1 Day) ASTM C-307</td>
<td>&gt;299 PSI</td>
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<tr>
<td>Tensile Strength (3 Day) ASTM C-307</td>
<td>&gt;673 PSI</td>
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<tr>
<td>Tensile Strength (28 Day) ASTM C-307</td>
<td>&gt;969 PSI</td>
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<tr>
<td>Bond Strength - Slant Shear (3 Day) ASTM C-882</td>
<td>&gt;1,126 PSI</td>
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<tr>
<td>Bond Strength - Slant Shear (28 Day) ASTM C-882</td>
<td>&gt;2,700 PSI</td>
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<tr>
<td>Resistance to deicing chemicals ASTM C-672</td>
<td>No Scaling and visual rating 0 after 50 cycles</td>
</tr>
<tr>
<td>Resistance to freeze and thawing ASTM C-666</td>
<td>Maintain dynamic modulus of 60% after 300 cycles</td>
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<tr>
<td>Flammability</td>
<td>Nonflammable</td>
</tr>
</tbody>
</table>

*Dependent upon temperature, humidity and wind conditions

WARNINGS AND FIRST AID
All materials are formulated for industrial and professional use only.
Keep out of reach of children.
- When exposed to air, the ePAVE® Liquid Solution emits a slight ammonia vapor. Use of personal protective equipment (respirator, dust mask, etc.) is recommended to avoid breathing the vapors or the dust produced when mixing.
- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with plenty of water for 15 minutes and contact a physician immediately.
- For respiratory problems remove person to fresh air.

STATEMENT OF RESPONSIBILITY
- Before installing user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith.