**PavePrep Specifications**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cold Flex</td>
<td>No cracking or separation of fabric</td>
<td>ASTM D146(modified)</td>
</tr>
<tr>
<td>Tensile Strength (Peak)</td>
<td>2,000 psi minimum</td>
<td>ASTM D412(modified)</td>
</tr>
<tr>
<td>Elongation (5% Peak Tensile)</td>
<td>10% minimum</td>
<td>ASTM D412(modified)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.9 lbs/ft² typical</td>
<td>N/A</td>
</tr>
<tr>
<td>Density (mastic)</td>
<td>80 lbs/ft³ minimum</td>
<td>ASTM D70</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.135 inches typical</td>
<td>ASTM D377</td>
</tr>
<tr>
<td>Thickness Retention</td>
<td>75% minimum retained after loading</td>
<td>ASTM D395(modified)</td>
</tr>
<tr>
<td>Absorption (mastic)</td>
<td>1% maximum</td>
<td>ASTM D517</td>
</tr>
<tr>
<td>Brittleness</td>
<td>Passes</td>
<td>ASTM D517</td>
</tr>
<tr>
<td>Softening point (mastic)</td>
<td>210°F - 230°F</td>
<td>(99°C - 110°C)</td>
</tr>
<tr>
<td></td>
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<td>ASTM D36</td>
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**PavePrep SA Specifications**

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For more information please contact Pavetech Sales.

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**Advanced Products for Roads and Bridges**

**EXPANSION JOINTS**

- **MATRIX 502**: Asphalitic plug expansion joint system
- **MATRIX BLUE**: Elastomeric header and polymeric sealant system
- **MATRIX CMX**: Flat, cold pour, high performance polymer-modified plank joint system
- **MATRIX ONE**: Pre-measured, all-in-one plug joint system

**GEO-COMPOSITES**

- **PAVEPREP**: Reflective crack control for AC overlays
- **PAVEPREP SA**: Self-adhesive crack control for AC overlays
- **ISAC**: Base isolation stress relief geo-composite for overlays
- **GEOTAC POLYESTER**: Peel-and-stick waterproofing membrane for bridge decks and roads
- **GEOTAC HS**: GeoTack with reinforced polyester backing for increased durability
- **GEOTACK**: Peel-and-stick waterproofing membrane for underground applications

**SEALANTS**

- **RALLITHANE 862**: Two component, rapid cure sealant ideal for bridge expansion joints
- **RALLITHANE 872**: Two component, fuel-jet blast resistant sealant ideal for airfield pavement joints
- **PCF-3405/5078**: Specification grade, hot applied sealant
- **PCF-100**: Special blend, hot applied, polymer-modified sealant

**MAINTENANCE / REPAIR PRODUCTS**

- **ELASTOCRETE**: Rugged, three part elastomeric concrete header material
- **ELASTOMATCH**: Elastomeric, impact resistant, grey colored patching material
- **MASTIC ONE**: Hot applied black mastic repair material
- **MASTIC TWO**: Gray, thermal-mastic, concrete repair material
- **HH-200**: Optimum performance mixer applicator for dispensing heated materials
- **AT-4812**: Application trolley for Pavetech geo-composites

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CONTACT PAVETECH FOR APPLICABLE WARRANTIES AND OTHER TERMS AND CONDITIONS OF SALE.

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PavePrep & PavePrep SA
The Leading Geo-composite Membrane Since 1982.

PavePrep is a highly effective stress relief interlayer material consisting of a high-density mastic, woven polyester fabric and a coated quick release liner. Installed in strips over cracked, spalled concrete or asphalt, PavePrep intercepts and reduces the stresses induced by thermal expansion and contraction, thereby reducing the tendency for cracks to reflect through the overlay. PavePrep also prevents moisture interpenetration that contributes to further structural decay of the surface and underlying pavement. PavePrep extends the overlay service life and reduces maintenance costs.

Performance
PavePrep is a high-density mastic, laminated for extra strength and flexibility. This tough synthetic combination is capable of surviving the rigors of installation and loads encountered on highways and airports. PavePrep retains its thickness after application, even when directly exposed to vehicular traffic. PavePrep performance is optimized on road surfaces that do not exhibit structural deficiencies or drainage problems. As such, these problems should be corrected prior to the application of PavePrep.

Installation
Fast, economical, and requiring no special equipment, PavePrep is unrolled at the jobsite and applied. It can be used on milled and unmilled surfaces after the application of an AC tackcoat.

PavePrep SA, with a peel-and-stick adhesive on one side, is also available. On most surfaces, PavePrep SA does not require a tackcoat. Before applying PavePrep, users should carefully read the Application Procedures.

PavePrep & PavePrep SA
Stress relief for asphalt pavements
Premature reflective cracking in new asphalt overlays is a global problem for pavement design and maintenance engineers.

Stress concentrations at pavement joints or cracks are a primary factor in the deterioration of the overlay and the propagation of pavement faults. Through its dense but flexible mastic, PavePrep disperses the stress induced by thermal expansion and contraction thereby reducing crack propagation in the asphalt overlay.

Since 1982, PavePrep’s outstanding ability to retard and control reflective cracking successfully in asphalt overlays has been thoroughly proven in day-to-day roadway applications around the world.

Advantages of PavePrep
• Provides a stress relief layer.
• Significantly reduces reflective cracking.
• Lowers pavement maintenance costs.
• Installs easily.
• Minimizes traffic disruption.
• Can be exposed to vehicular traffic immediately after placement.
• Reduces further structural decay.
• Reduces moisture interpenetration.
• Economical extension of overlay service life.

PavePrep
Waterproofing System for Bridge Deck Overlays
Most concrete bridge deterioration results from infiltration of rain water and road salts. Even though long-recognized as a major problem, long-term solutions have been difficult to achieve.

PavePrep provides a solution that applies modern geosynthetics and proven asphalt mastic materials to create durable and effective bridge deck waterproofing that installs quickly and efficiently.

Effective Moisture Barriers
► The PavePrep system is a high-strength, imperious interlayer (between deck and overlay) suitable for use on any structurally sound bridge deck scheduled for an asphalt overlay.
► PavePrep prevents moisture interpretation when installed in accordance with the manufacturer’s recommended application procedures.
► PavePrep’s higher strength, improved performance and durability give the user long-term value.
► Pavetech International also manufactures GeoTac, an economical peel-and-stick range of waterproofing geo-composites.

Bridge Deck Protection
PavePrep is highly suitable for use in waterproofing either new bridge construction or existing concrete slab bridge decks. It keeps water and deicing salts from permeating the pavement surface and damaging the substructure. Excellent for use in conjunction with Matrix 502 asphaltic plug expansion joints.

Successful PavePrep applications
Highways | City streets | Airport runways & taxiways | Bridge decks | Shopping centers & other parking areas