Pavement Technology Inc.

“Top of the Curve” Pavement Preservation Treatments

Since 1972
Our Pavement Preservation Toolbox:

- Reclamite®
  Asphalt Rejuvenator
- JOINTBOND®
  Joint Stabilizer
- Cyclogen®
  Recycling Agent
- CRF®
  Restorative Seal
- SINAK®
  Concrete Sealer
- SurfCrete®
  Concrete Resurfacer / Patch
- Coherex®
  Dust Control Agent
- DUST BOND®
  Dust Control Agent
“Top of the Curve”

Pavement Preservation Products for Asphalt Pavements from Pavement Technology, Inc.

- Reclamite® - Asphalt Rejuvenator
- JOINTBOND® - Longitudinal Joint Stabilizer
- Surface Retexturing / Reclamite
The aging and breakdown of asphalt cement and loss of maltenes actually begins at the hot-mix plant due to the extreme heating necessary to blend asphalt binder with stone and to get it to the job site in a pliable state.
AC deterioration continues once the asphalt mixture is placed on a roadway due to:

- Constant exposure to the Sun’s UV rays
- Environmental temperatures
- Oxidation
- Stripping action of storm water and melting snow
- Traffic wear
Once applied Reclamite will normally penetrate into the pavement within 15-20 minutes
Untreated

Reclamite
Treated
SURFACE RETEXTURING
And
REJUVENATION

A SKIDABRADER / RECLAMITE PROCESS
JOINTBOND®
Longitudinal Joint Stabilizer
Typical Applications

- RURAL STATE HIGHWAYS
- INTERSTATE HIGHWAYS
- URBAN STATE HIGHWAYS
Rumble Strip treatment

SR 289 - Jointbond Treated Rumble Strip
(Note water is held within the strip and has not seeped down into the pavement)

SR 289 - Untreated Rumble Strip
(Note water has seeped through the rumble strip)
After 3 Years the sealing effect was very visible.
JOINTBOND improves the Viscosity and Elasticity modulus of the AB in the treated area.

<table>
<thead>
<tr>
<th>Core Sample</th>
<th>Viscosity @ 60°C, Poises</th>
<th>Phase Angle, °</th>
<th>MODULUS Complex</th>
<th>MODULUS Elastic</th>
<th>MODULUS Viscous</th>
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</thead>
<tbody>
<tr>
<td>Core #3: Treated Core B top 3/8&quot;</td>
<td>5441</td>
<td>85.5</td>
<td>5456</td>
<td>432</td>
<td>5438</td>
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<tr>
<td>Core #3A: Treated Core B 3/8-3/4” layer</td>
<td>7028</td>
<td>84.4</td>
<td>7047</td>
<td>685</td>
<td>7013</td>
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<td>Core #4: Untreated Core B top 3/8”</td>
<td>8258</td>
<td>84.0</td>
<td>8279</td>
<td>869</td>
<td>8234</td>
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<tr>
<td>Core #4A: Untreated Core B 3/8-3/4” layer</td>
<td>8251</td>
<td>84.2</td>
<td>8292</td>
<td>833</td>
<td>8250</td>
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<tr>
<td>Core #5: JOINTBOND Treated Core C</td>
<td>4036</td>
<td>85.2</td>
<td>4047</td>
<td>336</td>
<td>4033</td>
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<tr>
<td>Core #6: Untreated Core C</td>
<td>8108</td>
<td>83.2</td>
<td>8129</td>
<td>965</td>
<td>8071</td>
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</tbody>
</table>

**Summary of Results:**

All cores tested to 3/8” indicated the product had penetrated to the 3/8” depth where it improved both the viscosity and elasticity modulus of the cores from the treated pavement.

Core #3A was also tested to a ¾” depth and indicated the product had also penetrated to the ¾” depth and provided similar improvements to viscosity and elasticity modulus in the core from the treated pavement.
Surf-Crete®

Polymer Bonded Concrete Resurfacer
Apply Surf-Crete Resurfacer

Two coats - finished surface approx ¼”
Open to Traffic
Within 1 Hour
Resurface
Concrete Sealer
for
traffic bearing surfaces

Litho1000®
Chloride Ion Resistance:

Litho1000® protection will not wear off by abrasion, rendered ineffective by high water pressure, or weathered off.

This makes Litho1000® effective in blocking out salt water, proven by passing the AASHTO T-259 test. Which means the test specimen is abraded after treatment, then tested for chloride ion penetration.
Litho1000® Applied to Concrete Surface
For More Information On Our Products
Please Visit Our Display

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