



# Pavement Technology Inc.

**“Top of the Curve”  
Pavement Preservation  
Treatments**

**Since 1972**



# Our Pavement Preservation Toolbox:

**Reclamite<sup>®</sup>**  
Asphalt Rejuvenator

**JOINTBOND<sup>®</sup>**  
Joint Stabilizer

**Cyclogen<sup>®</sup>**  
Recycling Agent

**CRF<sup>®</sup>**  
Restorative Seal

**SINAK<sup>®</sup>**  
Concrete Sealer

**SurfCrete<sup>®</sup>**  
Concrete Resurfacer / Patch

**Coherex<sup>®</sup>**  
Dust Control Agent

**DUST BOND<sup>®</sup>**  
Dust Control Agent

# *“Top of the Curve”*

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

- **Reclamite<sup>®</sup>** - Asphalt Rejuvenator
- **JOINTBOND<sup>®</sup>** - 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**





# Reclamite®

## TREATMENT PROCESS

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





# Rumble Strip treatment



## SR 289 - Jointbond Treated Rumble Strip

*(Note water is held within the strip and has not seeped down into the pavement)*



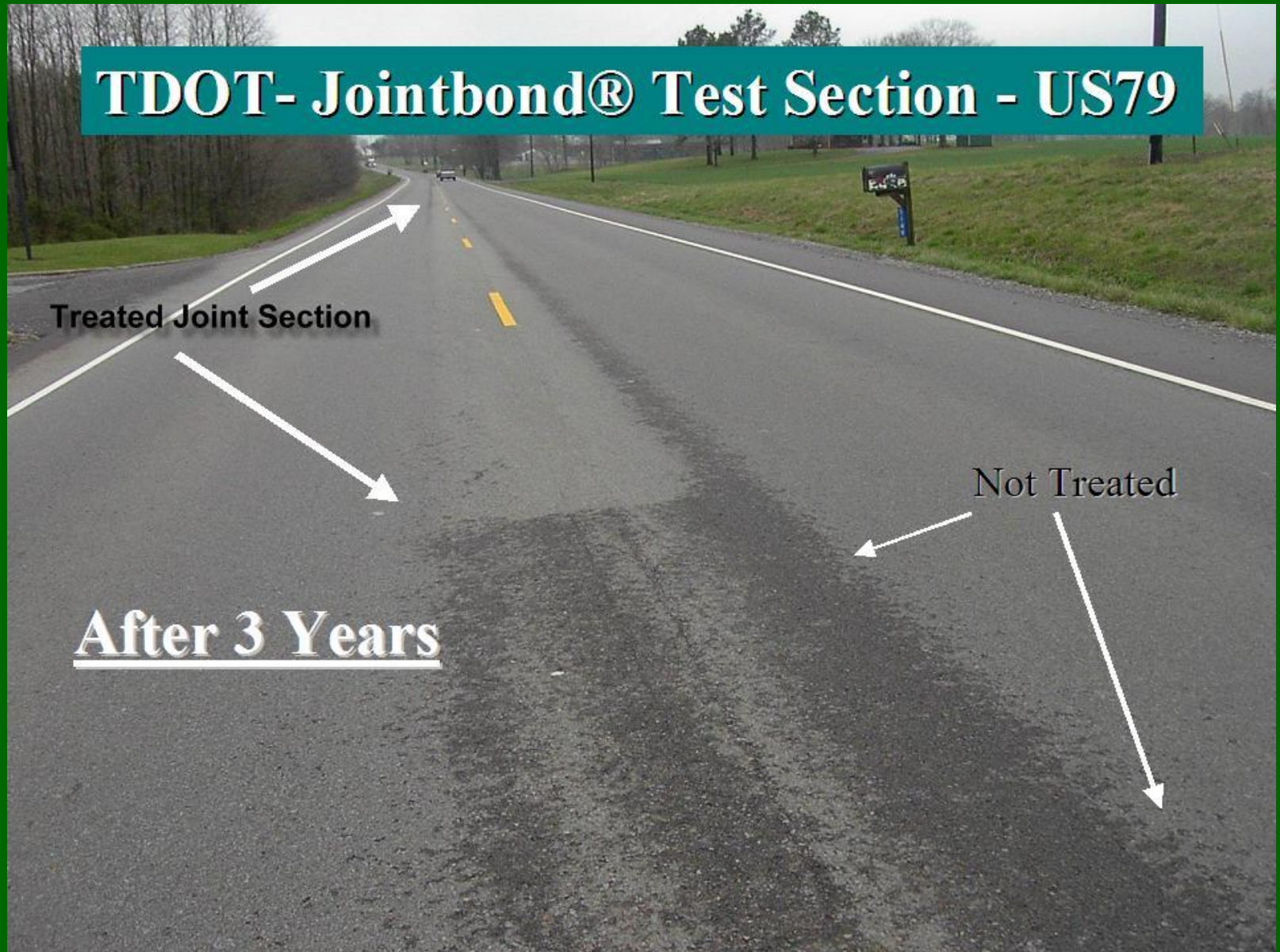
## SR 289 - Untreated Rumble Strip

*(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.

## Test Results on Recovered Binder-JOINTBOND Treated City of Nashville, TN – Centennial Blvd.

Core Sample	Viscosity@60 °C, Poises	Phase Angle, °	M O D U L U S, Pa		
			Complex	Elastic	Viscous
Core # 3: Treated Core B top 3/8"	5441	85.5	5456	432	5438
Core # 3A: Treated Core B 3/8- 3/4" layer	7028	84.4	7047	685	7013
Core # 4: Untreated Core B top 3/8"	8258	84.0	8279	869	8234
Core # 4A: Untreated Core B 3/8- 3/4" layer	8251	84.2	8292	833	8250
Core # 5: JOINTBOND Treated Core C	4036	85.2	4047	336	4033
Core # 6: Untreated Core C	8108	83.2	8129	965	8071

### 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 3/4" depth and indicated the product had also penetrated to the 3/4" 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 1/4"**



**Open to Traffic**

**Within 1 Hour**





OPEN TO TRAFFIC

# Resurface





# Finished



**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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