TruPave® Engineered Paving Mat
Worldwide Performance Review

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TruPave™ Products

- TruPave — Fiberglass/Polyester nonwoven Paving Fabric
  Designed as a Moisture Barrier and Energy Dissipation Layer.

- Retards Reflective Cracking
- Prevents intrusion of Water into the pavement structure
How is TruPave Used?

- Tractor or Truck Installed
- Hot Asphalt Tack Serves as Waterproofing Layer
- Hot Mix Applied Following Installation
Field Performance - Lakeland, FL

TruPave Installed February, 2001
Lakeland Test Site Results

- Reflective Cracking Returned in ~ Three Months
- Current Condition after 5+ Years:
Bituminous Overlay on US 52

7.5 cm Overlay on Badly Aged Bituminous Pavement
GVK Site Visit (Jaipur, India), August, 2006

- High Shear Deformation Evident in Surface Course
- TruPave Performing Well
Performance in New Construction, China
Ft. Lauderdale Executive Airport
West Oaks II, Novi, MI

Photo looking east

FEB 19 2005

TruPave Section
Defiance, OH TruPave Test Site

Core Sampling on TruPave Section
How Can TruPave Help?

- **Rutting:**
  - Usually Occurs Early in Pavement Life.
  - Typically, But Not Always, Surface Course Issue.
  - Mix Design Issue, and TruPave will Have Limited Impact.
How Can TruPave Help?

- Fatigue Cracking
  - Load & Age-Induced Cracking
  - TruPave Can Help by Dissipating Stress, Strengthening Structure
  - Combined with Routine Maintenance, TruPave can Help Prolong the Useful Service Life of Pavements
How Can TruPave Help?

- Reflective Cracking
  - TruPave Serves as Stress-Relief Interlayer & Moisture Barrier.
    - Prevents Moisture Intrusion & Subsequent Damage
  - Energy Dissipation Layer to Relieve Stresses Caused by Pavement Movement.
Thank You for Your Time.

Any Questions?

www.owenscorning.com/trupave