

# CASE STUDY

## PETROMAT® ENVIRO SACRAMENTO, CA

### MILLABLE-RECYCLABLE ASPHALT INTERLAYER



**Propex**<sup>®</sup>  
GEOSOLUTIONS

#### PROJECT SUMMARY

The millability of typical paving interlayer fabrics has come into question in recent years. To address this, Propex developed Petromat Enviro, an easily millable and recyclable paving fabric. Petromat Enviro is specifically engineered to be milled into small pieces that eliminate reprocessing concerns for use in new asphalt mix designs. Propex evaluated the millability of Petromat Enviro and a standard M288 Type II paving fabric in a side-by-side test. Both products were installed with 1.5 inches of compacted HMA (Hot Melt Asphalt) over an aging road with excessive cracking.

#### RESULTS

- After 5 months of heavy traffic, the pavement was milled and analyzed.
- Once milled, Enviro pieces ranged in size from 0.75 inches or smaller, allowing them to easily pass through the 0.75 to 3 inch reprocessing screens without clogging and slowing down production.
- The standard M288 Type II paving fabric ranged in size from 0.75 to over 4 inches in length. The presence of larger pieces can be problematic and impair reprocessing.



**PROBLEM** Traditional M288 Type II paving fabrics can experience problems in milling and recycling



**SOLUTION** PETROMAT® Enviro is millable and recyclable



**PERFORMANCE** PETROMAT Enviro mills into pieces small enough that RAP may be used in new asphalt concrete without clogging or additional processing

#### FEATURES & BENEFITS

- Easily mills and can be recycled
- Superior moisture barrier prevents pavement moisture damage
- Performance equivalent to an additional 1.5" of asphalt concrete overlay
- Engineered to allow placement directly on a milled surface without a leveling course
- Product is flexible - Installs around curves without tearing
- Solar reflective fabric remains up to 50 F cooler than dark paving fabric, minimizing tack coat bleed through and tracking
- Moisture barrier remains intact if cracks reoccur
- Offers 360 degrees of strength & stress absorption



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OTHER INQUIRIES OR CALL CUSTOMER  
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