

# CASE STUDY

## FREEPORT PETROMAT WHITE OVERLAY

### FREEPORT, PA

#### ASPHALT PAVEMENT OVERLAY



### PROJECT SUMMARY

The City of Freeport needed to repair a busy downtown street due to excess cracking. The project was completed in September and temperatures averaged around 85° F. The contractor wanted a solution to hot weather interlayer placement which traditionally results in excessive bleed through of the asphalt cement tack coat, to the point of construction equipment tracking and dislodging the fabric. PETROMAT® Plus-White was chosen to provide the crack retardation and moisture barrier benefits while maintaining a cooler surface that would not promote tack coat bleed through. During the installation, the contractor was able to take readings of both white and black PETROMAT, showing 30 degrees difference in temperature compared to standard black fabric. The black fabric registered at 119° F while the white fabric stayed near ambient temperature at 88° F. The installation was a success and the installers commented on how the improved, cooler rolls were easier to handle than the traditional black.



**PROBLEM** Excess cracking on High Street in the City of Freeport needed to be addressed and fixed



**SOLUTION** PETROMAT® Plus-White remains at a cooler temperature while creating a stress-absorbing interlayer

### FEATURES & BENEFITS

- Remains up to 70° F cooler than dark paving fabric at ambient temperature creating a safer work environment
- Minimizes tack oil bleed through and asphalt tracking, ensuring the correct amount of asphalt cement tack is used
- Prevents the time and cost of sanding to enable construction traffic without fabric damage
- Creates a stress-absorbing interlayer to slow the progress of reflective cracks
- Reduces need for additional maintenance



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