

CASE STUDY

ARNOLD PALMER AIRPORT

LATROBE, PA

PAVEMENT CRACKING



PROJECT SUMMARY

One of the taxiways at the Arnold Palmer Airport in Latrobe, PA was experiencing transverse and longitudinal cracking in the existing pavement. The airport needed a solution that would add more crown in the taxiway's pavement to ensure better drainage. PETROMAT® 4598 was chosen to reduce future pavement cracking and to serve as a moisture barrier beneath the asphalt overlay. PETROMAT 4598 is a nonwoven polypropylene and recycled polyester geotextile that provides a moisture barrier and stress absorbing interlayer. 47,000 sq. yds. of PETROMAT 4598 was installed along the taxiway at the airport without disrupting flight schedules. The FAA inspector on site was pleased with the process.



PROBLEM Excessive cracking in existing pavement



SOLUTION PETROMAT® 4598 reduces cracking in pavement

FEATURES & BENEFITS

- Creates a stress-absorbing interlayer to slow the progress of reflective cracks
- Reduces need for additional maintenance
- AASHTO/NTPEP compliant
- Ease of installation reduces time and labor costs
- Provides maximum protection against moisture and cracking
- Doubles road service life



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