



ACE XP™ vs Paving Fabrics

The advent of Surface Tech’s new ACE XP™ pavement overlay solution utilizes one of the strongest man-made fibers in existence — **para-aramid**. ACE XP™ in a hot-mix, hot-laid overlay application can go head-to-head with typical fabric applications in terms of cost. But in terms of performance, ACE XP™ comes out on top. It’s faster and easier to apply and more effective in reducing cracks.

Comparing ACE XP™ to commonly used paving fabrics generates four main considerations:

- » Crack resistance and life cycle performance
- » Ease of Use
- » Cost Savings
- » 100% Recyclable

	ACE XP®	PAVING FABRICS
TESTED PERFORMANCE	✓	
CRACK RESISTANCE	✓	✓
RUT RESISTANCE	✓	
IMPROVED ESAL PERFORMANCE	✓	
EASE OF INSTALLATION	✓	
NO SPECIAL EQUIPMENT	✓	
RECYCLABLE	✓	

A 2" overlay with ACE XP will perform like a 2.5"-3" lift.

If surface mix runs \$65/ton, ACE XP delivers \$16-20 in structure for \$10-15 in cost.



PERFORMANCE



EASE OF USE



COST SAVINGS



SUSTAINABILITY



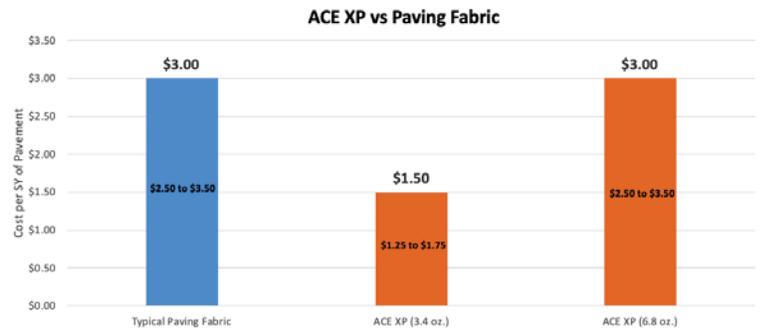
Construction Savings – Less Material to Site = Less Haul Time and Faster Project Completion



Performance

- » ACE XP™ **adds 30% - 50% to the crack and rutting resistance** of any asphalt mix per dose. (IDEAL CT and HWTT)
- » On a test project for MoDOT last year, Mizzou Asphalt Pavement and Innovation Lab (MAPIL) measured a **47% increase** in IDEAL CT score.
- » In the MoDOT trial referenced to the right, MAPIL measured a **66% increase** in rut resistance on the rural highway mix.
- » In the Bending Beam Fatigue test, performed by the University of California Pavement Research Center (UCPRC), ACE XP™ **added 200% to the crack resistance** of PG64-22 mix at 900 micro-strains making it a better choice for portland cement concrete (PCC) asphalt overlays.

Cost Comparison of 2" Overlay



* CASE STUDY

A contractor quotes a large condo complex HOA a 3-phase/year project with highly distressed pavement. Paving fabric was quoted at \$10/SY because the facility had a tricky layout and required a third party install. Upon choosing the **ACE XP™** option, the paving contractor was able to charge their customer \$4/SY. The paver was able to save the customer money, manage risk, meet the schedule and increase project profit, while providing a better crack resistant product.

You owe it to yourself, your projects, and your team to use ACE XP™.

ACE XP™ doubles the ESAL performance of any asphalt thickness.

SURFACE TECH™

Our core is innovation. We search to find ways to make building materials better, stronger, and longer lasting. Extensive research and development, laboratory testing and field trials have proven the Surface Tech advantage.

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