



High Performance Asphalt with:

- ACE Fiber -

Advanced Aramid Fiber Reinforcement

ACE Fiber is a high strength fiber additive that increases the performance characteristics of asphalt pavements. Used in concrete for decades, fiber reinforcement can now be used in asphalt to significantly increase performance of new asphalt pavement. ACE Fiber is comprised of engineered aramid (Kevlar™) fibers and a fiber control treatment using Sasobit™ that also provides asphalt performance enhancement properties.

Published data, testing and case studies from government agencies, research facilities and labs have demonstrated compelling results when engineered aramid fiber is properly mixed in asphalt:

Aramid Fiber

- Increases Strength
- Increases Crack Energies
- Increases Fatigue Life
- Increases Thermal Crack Resistance

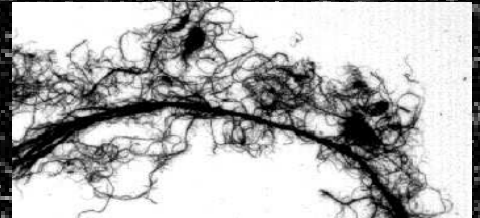


Sasobit™ Treatment

- Increases Rut Resistance
- Improves Coating of Aggregate
- Increases Compaction Window
- Reduces Binder Aging



ACE's controlled fiber delivery system allows efficient and thorough distribution and mixing of the millions of aramid fibers with Sasobit treatment that go into each ton of asphalt. When distributed and properly mixed, the aramid fibers provide 3-D reinforcement and property enhancements throughout the entire asphalt mix.



Aramid Fiber Under Microscope

Aramid fibers have micro-roots that tenaciously anchor themselves in asphalt to increase structural tensile strength

www.surface-tech.com

Use ACE Fiber to Increase Pavement Service Life and Save Costs



Contact Site Supply Inc. www.sitefabric.com (800) 465-0900



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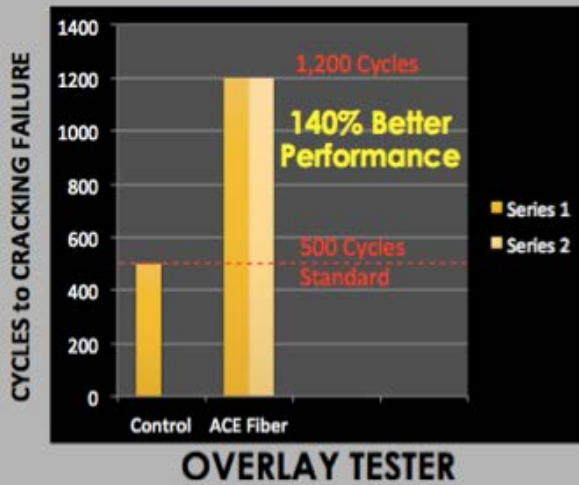


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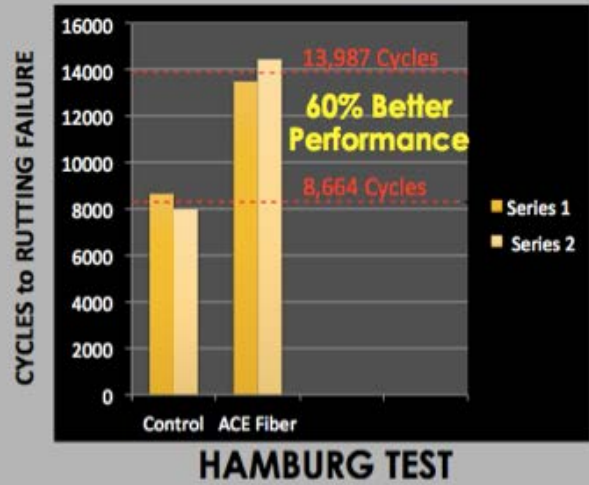
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Balanced Mix Design with ACE Fiber

ACE Fiber mixed in PG 64-22 hot mix asphalt was extensively tested based on the Texas Transportation Institute's Balanced Mix Design Method to quantify ACE Fiber's cracking and rutting performance improvements. As can be seen from the test results below, ACE Fiber improved cracking resistance 140% and rutting resistance 60%.



OVERLAY TESTER



HAMBURG TEST

ACE Fiber Projects:



NW Burnside
Portland, OR



Washington St.
Oregon City, OR



Ward Road
Clark County, WA



Highway 30
Idaho DOT

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