

# ARCA and SMA

Adding ACE XP™ to SMA creates a mix that lasts longer and cracks less. With SMA, rutting is not a big concern. The mix aggregate and structure ensure that the surface is very rut resistant. Cracking does happen, and is a major cause for eventual failure and end of life. With SMA, polymer modified binder is typically used to produce a high quality mix, but with ACE XP™, SMA is the ultimate surface mix solution.



**ACE XP™ acts as a binder reinforcement doubling the crack resistance in SMA.**

## Crack Resistance and Life Cycle Performance

SMA is very binder rich, and ACE XP™ is primarily a binder reinforcement. When ACE XP™ is put into SMA, crack resistance (IDEAL CT) doubles or more. Increased crack resistance means the SMA will last longer — and ride better — than polymer alone.

## Longer Life Cycle = Cost Savings

For a 10% or less increase in cost, ACE XP™ will add 20-30% to the life of the SMA. If you are getting 15 years today with your SMA, adding ACE XP™ will get you 18 or 19. If current service life is 20, adding ACE XP™ gets you 25.

## ACE XP™ SMA ADVANTAGE

Where polymer is hard to source, or too expensive, SMA with ACE XP™ offers a high-performance option at a lower cost.

- ✓ Crack resistance and life cycle performance
- ✓ Cost Savings
- ✓ Ease of Use
- ✓ EPD Certified
- ✓ No more than 0.668 kg CO2 / US

## ACE XP™ IN THE FIELD

*“Our department is well versed on the crack-resistant benefits of ACE XP™ and how it can add years of life to roadways, thus reducing the cost of more frequent replacements. Public works officials plan to utilize the product throughout 2020 and beyond.”*

*Brandon Milar, CalAPA Technical Director*

*“I have been adding ACE XP™ to the plant since 2015. It is easy to use and just works, Louisville Metro is sold on the cracking performance increase of pavement reinforced with ACE XP™ Polymer Fiber.”*

*Jordan Sandquist, PE,  
QA/QC Manager - Hall Paving, Louisville, KY*

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

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