

Beacon Roofing Sustainable Parking Lot Pavement with ACE XP™

Rose Paving joined forces with Kiewit Infrastructure to install 100,000 square feet of 6" asphalt remove and replace pavement utilizing Surface Tech's ACE XP™ polyaramid fibers — and at a cost that saved Beacon Roofing \$34,615.44.

**LOCATION:**

Aurora, CO

DETAILS:

Complete parking lot rehabilitation.

PRODUCT:

ACE XP Polymer Fiber™

DATE:

March 2019

TEAM:Kiewit Infrastructure
Rose Paving**The Challenge**

In 2019, Beacon Roofing purchased a new warehouse in Aurora, CO, but the company inherited a parking lot that it feared could not withstand 18-wheelers loaded with heavy roofing supplies. To complicate the situation, Beacon needed a fast fix so it could begin operations. Surface Tech provided one in the form of a thinner, fiber-reinforced mix — and at a cost that **saved the company \$34,615.44.**

The Solution

Rose Paving joined forces with Kiewit Infrastructure to install 100,000 square feet of 6" asphalt remove-and-replace-pavement utilizing Surface Tech's ACE XP™ polyaramid fibers. The 6" pavement performs at the same traffic load as an 8" non-reinforced pavement, and the job was finished within the needed time frame. The company plans to develop a new 100,000 square foot lot in 2021 using the same bottom lift standard mix design and top lift fiber-reinforced mix design.

Commercial pavements face constant stress from delivery trucks and trash trucks. For sites with heavy traffic, cracking can result from a variety of causes. If the pavement is not up to the task, finding an affordable solution becomes a big challenge. Owners can now elect for a faster, less expensive fix using ACE XP™ reinforced mix or one of the other Surface Tech polymer aramid solutions, such as ARMI™ for crack relief or REARM HR™ to increase the RAP content. Any one of these solutions can provide the strength, durability and long life owners want in their asphalt pavements.



**Beacon Roofing Remove & Replace
Parking Lot Pavement with ACE XP™**

*The 6-in pavement
performs at the same
traffic load as an 8-in
non-reinforced pavement.*

With the success of the parking lot project, Beacon Roofing plans to develop a new 100,000 square foot lot using the same bottom lift standard mix design and top lift fiber-reinforced mix design.

The images here show the original parking lot prior to paving with Surface Tech's ACE XP™ polyaramid fibers.



The Surface Tech Advantage

Surface Tech is committed to developing the most advanced reinforcement solutions for asphalt, not only adding strength and durability, but improving the sustainability. Our innovative processes, technologies and products make asphalt pavements better, stronger and longer-lasting. Extensive research and development, laboratory testing and field trials have proven the Surface Tech advantage. We're paving the way to a sustainable future.