

Preserving Community Value

Whitaker Contracting provides unique solution to pavement preservation

There is a high demand for effective asphalt preservation on our nation's roadways. Pavement preservation is the proactive maintenance of roads to prevent the need for major rehabilitation or reconstruction later on. Every dollar spent keeping a road in good operating condition means saving \$6 to \$14 to rebuild one that has deteriorated.

The key to preserving pavement life is to stop oxidation, which is caused by ultraviolet rays and moisture. Oxidation is a common problem in the southern region of the United States. The oxidative aging of pavements begins at the time of construction and continues throughout a pavement's life. However, most oxidative aging occurs within the first two to four years of service life, leading to the raveling and cracking of pavement. Therefore, newer pavement is in more urgent need of protective treatments than older pavement.

Pavement Condition Index, or PCI, is a numerical index between 0 and 100 used to gauge the condition of pavement. Current preservation solutions have not been sufficient for roads with a PCI of 70 or higher and tend to fall short with side effects of chip seals or slurry seals.

Introducing An Innovative Solution

It's time to rip off the Band-Aids from the past – Whitaker Contracting Corporation is emerging with the ultimate surface treatment product to lower pavement ownership costs. Operating for 60 years on high integrity and hard work, Whitaker is pushing the asphalt industry forward with cutting-edge technology. Today, they're proud to introduce a new and valuable pavement preservation solution to the market: HA5.

Made of a High Density Mineral Bond, HA5 produces an armor-like shell that extends the life of the native asphalt binder – the “glue” that holds the rock in place. Effectively preserving the asphalt binder before oxidative damage takes place is the most cost-effective way to maintain asphalt pavement in the long run.

Combining uniquely emulsified asphalt with a near-neutral charge, HA5 holds an exceptionally high concentration of fine aggregates that resist deterioration. This proprietary blend of aggregates also increases traction between the tire and road, making travel safer.

Based in Guntersville, Alabama, Whitaker Contracting knows firsthand that weather conditions of the south can be detrimental to bare pavement. That's why they've engineered HA5 with a specific blend of polymers that reflect and combat the harmful damage of UV rays. Preserving the asphalt's elasticity and fluidity reduces the cracking and drying out of pavement.

It costs roughly 12 times more money to reconstruct a damaged roadway than it does to perform preventative pavement maintenance. HA5 adds 10 to 15 years to asphalt, lowering the cost of pavement ownership and management. Moreover, avoiding future reconstruction can dramatically decrease a project's carbon footprint.

Increasing Community Aesthetics – Margate, FL

The City of Margate, Florida is one of Whitaker's many satisfied clients. The city has a parking lot at an excessively used sports fields with asphalt that was in good condition but appeared washed out and unsightly. Having read about the positive results of Whitaker's HA5, the City of Margate Public Works Department decided to try it on the lot, as opposed to a regular sealcoating, to see if it performed as well as reported.

"The installation went seamlessly and its was completed in a day and left to cure overnight," Nick Cucunato, acting public works director for the City of Margate, said. "The finished product looked flawless and we were impressed with the even color and coverage."

The city opened the lot to the public again to see how it would wear with continued use.

"I am very pleased to report that at this point, several months later, the parking lot looks as good as it did when first installed with no degradation whatsoever," Cucunato said. "The color retention is excellent and it looks as black today as it did the day it went down.

"As a result of these impressive results, we have decided to use Whitaker and HA5 on several other roadways in our city as part of our pavement preservation program, to both extend the longevity and enhance the appearance of our roads in the City of Margate," he added.

Your One-Stop-Shop for Construction and Contracting

Whitaker Contracting is the only company to manufacture, install and assure HA5 nationwide. Under this process, they manage pavement perseveration projects from start to finish, eliminating frustrating subcontractor delays that send construction over budget.

Whitaker engineered the technology and equipment needed to properly apply HA5. Their highly trained professionals manage a fleet of modern, heavy-duty, specialized equipment that uniformly disperses the precise density of fine aggregate. Installation does not leave behind loose aggregate or grainy residue on the surface. Whitaker manufactures everything needed to get the job done; because of that, they confidently warranty HA5 for five years.

Although applied HA5 has a smooth appearance, it does not make the road slick. The blend of aggregates reduces skid factor when the road is wet. With this increase in safety and aesthetics, communities have found the upgrade in pavement to deliver a measurable return on investment, including an increase in property value. School districts, residential communities, religious organizations, medical providers and various businesses are ideal candidates for HA5 installations.

The Team and Product You Can Trust

Whitaker Contracting is dedicated to creating community value through pavement preservation. As a licensed, bonded and insured company, Whitaker has built a trusted brand with high customer-satisfaction rates.

Backed by years of research, including 12-year performance evaluations and testing by Nolte

Engineering, HA5 is proven to be the superior option to competing pavement seals on residential roadways and parking surfaces. With more than 160 million square feet installed, HA5 is the choice pavement preservation technique for more than 80 public agencies across the southeast.

Before and After Photos
City of Margate
Application of HA5 on community parking lot

