

Imagine if highway repair after a hurricane were easier.

PURIFY | PROTECT | ENHANCE

Customer success story.

Customer: Halifax Paving

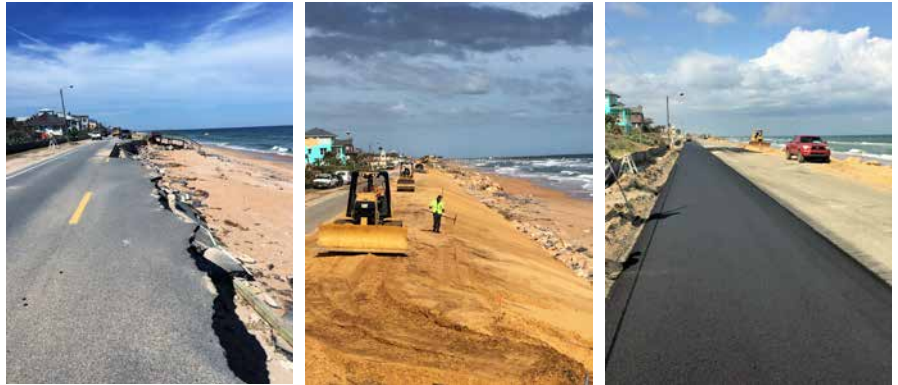
Product: Evotherm® warm mix asphalt technology

End-use: Highway A1A in Flagler County, Fla.

Ingevity: Purify | Protect | Enhance

Ingevity provides specialty chemicals and high-performance carbon materials and technologies that help customers solve complex problems. These products are used in a variety of demanding applications, including asphalt paving, oil exploration and production, agrochemicals, adhesives, lubricants, printing inks and automotive components that reduce gasoline vapor emissions. Through a team of talented and experienced people, Ingevity develops, manufactures and brings to market products and processes that purify, protect and enhance the world around us. Headquartered in North Charleston, S.C., Ingevity operates from 25 locations around the world and employs approximately 1,500 people. The company is traded on the New York Stock Exchange (NYSE: NGVT). For more information, visit ingevity.com.

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Evotherm is an award-winning paving technology that speeds road construction. By dropping paving temperatures, the process is more environmentally friendly, can use more recycled materials and the pavement meets specifications more consistently. This means that roads perform better and our customers' businesses do too. That's the Ingevity effect.

Problem

Time was of the essence when Hurricane Matthew damaged miles of Florida's eastern coast in Oct. 2016. Parts of State Road A1A (SR A1A), a National Scenic Byway and the only main emergency evacuation route for residents of Flagler County, were completely destroyed. Halifax Paving needed to reconstruct a 1.3-mile stretch of SR A1A and Governor Rick Scott wanted the road opened in just 30 days.

"We couldn't have met the deadline using anything but Evotherm," explained Fred Iannotti of Halifax. "Before Evotherm, our asphalt mixes were gooey and difficult to compact. We needed a product we could trust; One that was reliable, easy for our crews to work with, and met the state's specification. Fast."

Solution

The benefits of Evotherm on emergency and natural disaster projects across the globe have been demonstrated since the early 2000s and have included the Sichuan earthquake in China and Hurricane Sandy. Halifax had been using Evotherm on state, private and commercial projects since 2014 and confidently chose this technology to address the damage from Hurricane Matthew on SR A1A. The road was reopened just 14 days later and Halifax received an almost \$1 million bonus for opening the road ahead of schedule.

Maximizing value

- The improved workability of Evotherm mixes helps make high-recycled content mixes possible, which is good for the environment and the customer's bottom line.
- The improved workability and compaction of Evotherm mixes increases a paving crew's productivity, which stacks up to cost savings and the ability to pave more projects.
- The easy-to-use chemistry allows customers to easily switch from alternative products.

