



Delta Technical Operations Center at Hartsfield-Jackson Airport  
Atlanta, Georgia

# GE Enduris\* ends ongoing roof leaks for world's largest commercial airline

## Outperforming the competition

Delta Technical Operations provides full-service maintenance to more than 750 aircrafts from its homebase facility. But after one of its hangars was renovated, no one could get the roof quite right. "We experienced four repair attempts in a year, all from well-respected roofers," says Brent Ogelsby of ABM Industries, the Facility Manager. "Each product would fail in a few months, or even weeks, and leaks would start up again." Working on the fleet requires the utmost precision, and water dripping into electrical equipment, cables, or other sensitive components could cause insurmountable damage and delays. "We thought it would be impossible to fully seal our complex roof," says Ogelsby, "then we discovered GE Enduris\*."

### Product Used:



GE Enduris\* seamless 100% silicone coating can restore and extend roof life expectancy with one-coat application.



Performance  
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\* Enduris is a trademark of Momentive Performance Materials Inc.

## Sealed for good

MOPAC Plant & Building Services, a GE Authorized Applicator, insisted that GE Enduris\* would be an ultimate solution—and the team was right. MOPAC began by applying GE Enduris\* Seam Sealant to joints, gaps, and areas of particular trouble on the roof, ending the persistent leaks. Next, GE Enduris\* coating was applied to the entire surface for long-term protection against the elements and ponding water.

Because all GE Enduris\* components are 100% silicone, there was no worry of weakness caused when dissimilar materials met. “Now the hangar has a seamless roof without any annual upkeep required,” says Tim Brewer, Operations Manager at MOPAC.



## Sustainable promise

A leader among green companies, Delta outpaces most other airlines through its corporate sustainability initiative. Delta appreciated the energy savings built into GE Enduris\*—particularly that its white color reduced the roof's surface temperature by 60°F on an average summer day. This results in nearly 200 metric tons of carbon offset annually through lower building cooling costs, and less wear and tear from daily temperature cycling. Because the surface now holds less heat, GE Enduris\* also contributed to reducing the “heat island” effect in which areas with large expanses of concrete—such as airports—are 5°F warmer than their surroundings. “This energy-efficient roof fits perfectly into our program,” says Christine Boucher, Managing Director of Global Environment & Sustainability at Delta. “Every step we take matters, and this was a big step.”

MOPAC agrees, and was glad to lead the work. “I fly in and out of the busiest airport in the world,” says Brewer. “Our team is proud to do our part in making it better and more sustainable.”

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**Brent Ogelsby** – Facility Manager at ABM Industries

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