



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

GE Enduris™ ends on-going roof leak 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 Oglesby 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 this complex roof," says Oglesby, "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 COATINGS

* GE is a registered Trademark of General Electric Company and is used under license by Momentive Performance Materials Inc.

* 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 failures where dissimilar materials met. “Now the hangar has a seamless roof without any annual upkeep required,” says Tim Brewer, Corporate Accounts Manager at MOPAC.



Sustainable promise

A leader among green companies, Delta outpaces most other airlines in its corporate sustainability initiatives. With GE Enduris, its white color helps reduce the roof's surface temperature by 100°F on an average summer day. This lowers the interior temperature by 10°F (and delays the temperature increase until later in the day), which provides significant energy savings - 35% in some cases.

Because the roof surface now holds less heat, GE Enduris also contributes 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 into Delta's Environment & Sustainability plan.

MOPAC was glad to help with environmentally friendly solutions. “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 Oglesby – Facility Manager at ABM Industries

Pioneered by GE. Refined by GE. With a history of dedication to innovation and excellence, today's family of GE sealant products address a wide variety of the ever-inventive, increasingly demanding architecture found around the world. Outstanding durability, flexibility, and movement capability are fundamental to the high performance of GE sealants. With decades of experience, in new and remedial applications, on some of the world's most innovative structures, the sealants team provides knowledge and comprehensive support to help ensure a project is successful.