SAN DIEGO INTERNATIONAL AIRPORT TERMINAL 2

TNEMEC

FEATURED PRODUCTS

Series L69 Hi-Build Epoxoline II **Series 90-97 Tneme-Zinc** **Series 94-H_2O Hydro-Zinc**
Series 115 Uni-Bond DF **Series 750 UVX** **Series 1029 Enduratone**
Series 1071V Fluoronar

After years of planning, the San Diego International Airport was ready for take-off with its Leadership in Energy and Environmental Design (LEED) Platinum terminal design that included the use of low volatile organic compound (VOC) coating systems from Tnemec.

"The project features alternative energy sources, recycled construction materials, and more than 1,000 gallons of LEED-compliant coatings," explained Denis Amyot of TPC Consultants, Inc. "A low-VOC fluoropolymer coating system that offers extended gloss and color retention and protection against ultraviolet (UV) light was used on all exterior exposed steel, including canopies, two pedestrian sky bridges, and other structural steel."

Designated "The Green Build," the project was part of a $1 billion expansion and renovation of the airport's Terminal 2 that included 10 new boarding and departure gates and an elevated roadway for vehicle departure covered by 50-foot high canopies. Airside enhancements included more than 1.3 million square feet of apron paving constructed on a brownfield site and utility plant upgrades.

Carbon steel surfaces were prepared by fabricators in accordance with SSPC-SP 6/NACE No. 3 Commercial Blast Cleaning and shop-primed with Series 90-97 Tneme-Zinc, a zinc-rich aromatic urethane coating. Series 94-H_2O Hydro-Zinc, a one-component zinc-rich primer was used for field touch-up, followed by an intermediate coat of Series L69 Hi-Build Epoxoline II and a finish coat of Series 1071V Fluoronar, a semi-gloss fluoropolymer coating.

The same coating system was used for a large window frame on the airside of the terminal, although Series 1071V was replaced by Series 750 UVX, a low-VOC polyurethane finish coat. Interior metal doors and frames, as well as galvanized metal surfaces such as stairs, were primed with Series 115 Uni-Bond DF, a waterborne, rust-inhibitive coating, followed by a finish coat of Series 1029 Enduratone, a water-based, low-VOC acrylic polymer coating.

"All of the products used on the project met the restrictions on VOC content allowed by the California Air Resources Board (CARB)," Amyot noted.

The award-winning project was the first LEED-Platinum-certified commercial airport in the world and the largest expansion in the history of San Diego International Airport.

PROJECT INFORMATION

Project Location
San Diego, California

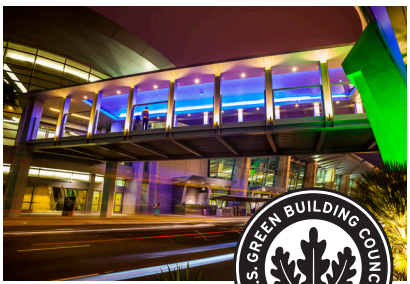
Project Completion Date
Summer 2013

Owner
San Diego County Regional Airport Authority

Architects
HNTB Corporation
URS Corporation
Tucker Sadler Architects

Shop Applicators
D&L Quality Painting
EW Corporation
R.W. Little Company
Techno Coating

Field Applicators
General Coatings Corporation
Hasson Painting Contractors
Lawrence B. Bonas Company
Pecoraro, Inc.



More than 1,000 gallons of low-VOC coatings from Tnemec were applied during "The Green Build" at the San Diego International Airport.

Tnemec Company, Inc. 123 West 23rd Avenue North Kansas City, Missouri, USA 64116-3094 +1 816-483-3400 tnemec.com