

PROJECT PROFILE

DFW INTERNATIONAL AIRPORT DALLAS, TEXAS

ABOUT THE PROJECT

The Dallas Fort Worth International Airport (DFW) became one of the first major U.S. airports to go carbon neutral in 2016, and since then, the facility has only accelerated its sustainability efforts. As part of a push to cut emissions to zero by 2030 – which is already more than 75 percent completed – DFW has invested in “dynamic glass” that can darken to block out the merciless Texas sun and reduce energy demands, as well as renewable fuels for shuttles between terminals and solar and wind power for its lighting and heating systems.

When ELASTOPHENE® and SOPRALENE® with ECO₃ granules were specified for the roofs of DFW’s Terminal F Skylink buildings, it represented a new level of commitment to our planet. Inspired by the power of trees, ECO₃ granule surfaced membranes are a unique collaborative effort between 3M™ and SOPREMA for low-slope roofing. This roofing granule is designed with a specialized photo-catalyst coating applied to the mineral that absorbs nitrogen oxide (NOx) gases in the atmosphere, which are then cleaned and washed away by rainwater. This process reduces the amount of ground-level pollutants, decreasing the greenhouse effect and creating healthier communities. Each 3,000 ft² of ECO₃ membrane has the approximate smog fighting capacity of 18 trees, with the smog fighting ability of the granule being maintained over the life of the membrane.

In other words, DFW is doing its best for the environment, not only internally, but in its surrounding atmosphere as well.

DETAILS

PROJECT SIZE	85,000 ft ²
PROJECT COMPLETION	Spring 2021
BUILDING OWNER	Cities of Dallas and Fort Worth
DESIGN	PGAL Inc.
CONTRACTOR	Chamberlin Roofing & Waterproofing
PRODUCTS USED	ELASTOPHENE® and SOPRALENE® with ECO ₃ granules