

BUILDING & CONSTRUCTION

# LITHIA SPRINGS ACQUIRES A WOLF

Dynamic Wind Testing Just Got Faster

**Intertek is pleased to announce that our lab located just outside of Atlanta, Georgia, in Lithia Springs, has acquired a dynamic wind generator. The dynamic wind generator, referred to as the WOLF, is necessary to conduct testing to AAMA 501.1: "Standard Test Method for Water Penetration Of Windows, Curtain Walls and Doors Using Dynamic Pressure."**

This piece of equipment is frequently used during mock-up testing as well as in the field to simulate water penetration performance under extreme weather conditions such as hurricanes.

The Atlanta laboratory specializes in air / water / structural testing and houses an indoor mock-up facility consisting of three test walls up to 24' (w) x 18' (h) in size. Obtaining a WOLF for this location increases the range of mock-up testing capabilities in the lab, while also providing our accredited field testing team the ability to run more efficient quality control water intrusion testing on construction sites.

In addition to a wide range of fenestration testing capabilities, this facility conducts extensive testing for roof panels, roofing systems, rain screens, and wall panel systems.

## Features

- Accommodate various test heights
- Generate wind speeds up to 125 mph
- Test Pressure Equivalency: 5 psf to 40 psf
- Field Water Coverage Area: 10' x 10'
- Integrated calibrated spray rack for simulating wind-driven rain conditions
- Remote control panel allowing the operator to be positioned at a distance away from the fan during operation
- Gasoline powered operation

With the addition of the dynamic wind generator to the equipment inventory, the scope of testing will be expanded to include TAS 100, the test procedure for wind and wind driven rain resistance of discontinuous roof systems and AAMA 508 and 509, the test procedures for rain screens and wall panels.

## What is Dynamic Water Penetration Testing?

Water penetration testing consists of utilizing a portable wind generator equipped with a water system. For on-site use, an all-terrain forklift is required to position the machine at elevations above the ground level. Test locations are only limited to the height restrictions of the forklift, and special accommodations can be made to test at higher locations.



Ian McKenzie  
Regional Manager

"Before making the decision to purchase this new equipment, our customers were forced to wait until we were able to borrow a WOLF from another location," says Ian McKenzie, Regional Manager. "The delays and added expenses incurred to ship the equipment were a burden to our customers and we weren't meeting our goal to make the testing process as quick and cost effective as possible. The acquisition of the new dynamic wind generator allows us to reduce the turnaround time for testing, decrease costs to our customers, and increase our field testing capabilities. We saw this purchase as an absolute necessity to better serve our customers."

## FOR MORE INFORMATION

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