

DUPONT™ TYVEK® FLUID APPLIED SYSTEM

Setting the Standard for Enduring, Sustainable Construction



PROJECT CREDITS

Project: Chesapeake Bay Foundation Brock Environmental Center

Project Size: 10,000 ft²

Project Type: Education, New Construction

Location: Virginia Beach, Virginia

Architect: SmithGroupJJR

General Contractor: Hourigan Construction

DuPont™ Tyvek® Certified Installer: Bay Caulking

DUPONT PRODUCTS USED ON THIS PROJECT:

- DuPont™ Tyvek® Fluid Applied Weather Barrier (WB)
- DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound
- DuPont™ Sealant for Tyvek® Fluid Applied System
- DuPont™ FlexWrap™ NF
- DuPont™ StraightFlash™

THE GOAL: The Chesapeake Bay Foundation's Brock Environmental Center is targeting LEED® Platinum and Living Building Challenge certification to become the most environmentally sustainable building in Virginia. It will also be the first building in the state to embrace a net-zero energy and net-zero water approach.

THE CHALLENGE: To build a durable, energy-efficient, environmentally sustainable educational facility on a site that is in a coastal flood plain located in an area that is prone to intense storms, hurricanes and high humidity. What's more, the building's design features complicated geometries curves intended to take advantage of seasonal breezes and to limit sunlight penetration in summer, while maximizing it in winter.

THE SOLUTION: Protect the new wall assembly with the DuPont™ Tyvek® Fluid Applied System which delivers industry-leading performance with the added convenience of fast, pressure-rolled or sprayed application. This complete, integrated weather barrier system is designed to perform in any climate and under a wide variety of commercial facades. It's an ideal solution for a structure with such complex curves and angles.

After the system was applied to the main sections of the building, the commissioning agency completed air testing:

*"The test was performed with amazingly high levels of success,"
"Tyvek® Fluid Applied has performed higher than any system we have tested."*

Vincent Lopez
Commissioning Agent

**For more information on DuPont™ Tyvek®
Weatherization Systems, please call
1-800-44-TYVEK or visit www.fluidapplied.tyvek.com**