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Applied to Life.™



**Let's Build Smarter.**

## **Application advantages help building envelope contractor get more done.**

Installing the building envelope correctly is important so customers have energy-efficient buildings and protection from the elements, but getting more jobs done is important for your bottom line. Is it about finding a balance... or is that the wrong question? Finding quality solutions that also allow them to get work done quickly and accurately is important to EDA Contractors, so when it was time to put an air barrier on the new Terminal One at Newark Liberty International Airport, EDA chose 3M air barrier products.

### **EDA Contractors (EDA)**

Started in 1999 as a roofing company working from a small office, EDA Contractors has expanded its mission and aims to deliver a watertight building for each and every client. The company now has over 300 employees to take on every aspect of the exterior building envelope including siding and wall panels, masonry, air and vapor barriers, waterproofing, slate and copper roofing and green roofing. Their core focus is to provide superior workmanship and customer experience.



In addition to working with their own customers, EDA also works closely with vendor partners who can help them provide industry-leading quality and performance for the buildings they put up. When it came time to choose a vapor barrier for the Newark Liberty Airport project, the company turned to 3M.

### **Efficiency for large spaces**

Run by the Port Authority of New York and New Jersey, Newark Liberty International Airport is just 12 miles from lower Manhattan and serves one of the busiest metropolitan areas in the world. Terminal A is the oldest terminal and underwent previous upgrades in 1995 and 2004. Now facing challenges such as implementing modern airline and security requirements, curbside check-in congestion, long lines at check-in and security checkpoints, crowded passenger holding areas and undersized and overfilled passenger amenities, the terminal is undergoing a significant upgrade. As a massive public infrastructure project, lots of eyes at all levels, public and private, are paying attention to both the project and the bottom line.

Airport terminals have large volumes of space surrounded by large surfaces that have to resist wind and rain, plus lots of windows that require sealing around the edges. Maintaining a comfortable temperature inside while managing heating and cooling costs is important for passenger and employee satisfaction, whatever extremes the weather outside throws at the building. An air and vapor barrier does this by keeping outside air out and inside air in. That's why EDS chose to use 3M's 3015 family of air barrier products, all of which can be applied to most substrates without priming:

- 3M™ Air and Vapor Barrier 3015 is impermeable to air, moisture, vapor and water to reduce air leakage and prevent moisture ingress. It sticks well to most construction surfaces without priming and can be applied at temperatures from 0°F (-18°C) to 150°F (66°C) so work can continue even on those cold days. It features advanced acrylic technology and a unique backing that helps seal against water penetration, including by self-sealing around nails and staples, and is translucent so those fasteners can be driven in the right place. It can also withstand up to 12 months of direct UV exposure to help manage long-running construction projects.
- 3M™ Ultra Conformable Flashing Tape 3015UC is a tough commercial flashing tape that stretches both horizontally and vertically so it can conform around corners. This tape is designed to work with both permeable and non-permeable wall systems.
- 3M™ Air and Vapor Through Wall Flashing Tape 3015TWF features excellent puncture and abrasion resistance and is designed for use as a through-wall flashing. It is compatible with many building sealants and even adheres to slightly damp surfaces that have not absorbed water, such as metals, glass and plastics.

## Easy, consistent installation helps productivity

An easy application process helps both productivity and consistency. By using 3M's 3015 family of air barrier products, EDA Contractors is able to take advantage of easy application that helps the air barrier go on easily row after row—over 400,000 square feet of it for the airport project. This also helps reduce the number of products that have to be brought to the site and kept track of.

Weather is a factor on any construction project until the site is enclosed. The proprietary advanced acrylic adhesive technology of the 3015 family can also help work continue in challenging weather conditions. For instance, these products can be applied at temperatures as low as 0°F (-18°C), which is too cold for bitumen-based products to adhere. This lets work proceed on days when temperatures are below freezing for all or part of the day, which can extend the construction season.

While not related to the application of the product itself, another advantage of 3M™ Air and Vapor Barrier 3015 is its resistance to direct ultraviolet radiation. No construction



schedule works out perfectly at all stages, so the ability of this product to withstand direct sunlight for up to 12 months provides significant flexibility in getting the final cladding placed over the top.

## Productive efficiency helps get work done

Efficiency is important for both buildings and their construction. By taking advantage of the features built into the 3M 3015 family of air barrier products, EDA Construction is able to create structures such as Terminal A at Newark Liberty International Airport that meet the air barrier energy efficiency goals of their customers while also meeting EDA's goals for installation efficiency. In fact, EDA has used the 3015 family of products on numerous projects over the last five years. Primerless installation, a wide application temperature range and 12-month UV resistance help EDA apply more air barrier with more schedule flexibility in more situations so they can get more done. All by building smarter with 3M.

To learn more about how 3M can help you build smarter, please visit [www.3M.com/BuildSmarter](http://www.3M.com/BuildSmarter).



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