



Navigating challenges in modular construction with DELTA®

Moving construction from the jobsite into the factory affords many benefits, but it also comes with its own unique set of challenges.



As modular construction continues to advance, manufacturers' products are becoming equally innovative. Dörken's complete line of DELTA® weather-resistant barriers (WRBs) plus compatible adhesive accessories are not only designed to protect your modules from severe conditions, but also to alleviate other challenges common to offsite construction.

Here's how DELTA® barriers can provide added peace of mind and value throughout the process.

1 Skilled labor shortage

The problem

In an industry already short on workers before the pandemic, construction businesses are now in dire need of skilled labor. So, how do you maintain or increase productivity with fewer workers?

The solution

Help applicators do the job quickly and efficiently. Easy-to-install, readily compatible products help minimize the need for additional time or labor. The right products ensure the work is done correctly the first time, meaning less time wasted addressing callbacks or oversights.

DELTA® WRBs are designed with applicators in mind, coming fully adhered for simple application that's easy to replicate. This eliminates any inconsistencies in the process for increased productivity and performance, limiting the need for additional applicators.

2 Front-loaded costs and decision making

The problem

Offsite construction calls for more complex decisions, engineering, and design to be done up front. Builders and contractors take on more risk purchasing products, finishes, and accessories before the work has started.

The solution

Select manufacturers and suppliers that have developed products with your specific needs in mind, and are backed by years of industry experience and proven results. They should be able to provide support, solutions, and product selection advice to help alleviate those important early decisions. You risk far too much taking a chance on a supplier that hasn't been proven to deliver consistent, predictable results, which can cause setbacks or callbacks.

DELTA® barrier systems and accessories are designed for the unique challenges modular builders and manufacturers face, from production and module transport to envelope continuity. Backed by 125 years of experience, we've built our reputation on superior protection and have been trusted to protect some of the world's most renowned structures.

3 Product complexity and compatibility

The problem

Building with products from several vendors can lead to compatibility issues that impact building performance. Finding the right products specific to modular construction is hard, but finding compatible accessories is even harder.

The solution

Choose complete, manufacturer-designed systems. You and your crew won't have to give a second thought to compatibility issues.

Dörken is the only manufacturer that offers a complete line of application accessories that are fully compatible with our industry-leading WRBs. The complete membrane system is flexible enough to fit modules of any specification, keeping every corner, gap, and edge 100% sealed for barrier continuity around the envelope.

4 Protection during transport

The problem

Modules traveling long distances can experience rough weather and travel conditions. They need protection from wind, dirt, and UV exposure during transportation, and from potential water intrusion through any rough openings.

The solution

Starting in the factory, you need to keep modules protected from the wears and tears of transportation. DELTA® weather-resistive barriers provide unwavering protection right from the start, from the factory floor through final assembly. Each WRB offers industry-leading vapor permeability – a rating of 50 perms – allowing any moisture that does enter the system to easily escape, eliminating the risk of mold and other problems caused by water pooling.

When transporting modules under heavy UV exposure, the DELTA®-STRATUS SA barrier offers the same performance as our other WRBs, but with a fourth layer of added UV protection.

Regardless of the weather and travel conditions your modules will face, DELTA® WRBs are designed to stand up to the rigors and logistical challenges of the job.

We have you (and your buildings) covered.

Right from the start, Dörken's weather-resistive barriers and adhesive accessories are fit for the demands and logistics of modular construction. Our complete line of DELTA® WRBs offers proven performance and full compatibility with your builds, guaranteeing the high standard of protection and performance we've provided builders and manufacturers for over 125 years.



Contact a local dealer to learn more about Dörken's products and accessories.

delta.dorken.com/modularconstruction