



The exceptional waterproof performance of Duradek PVC membranes stands out from other options due in part to the installation techniques. How the membrane integrates into the building envelope makes it superior for moisture management in residential construction.

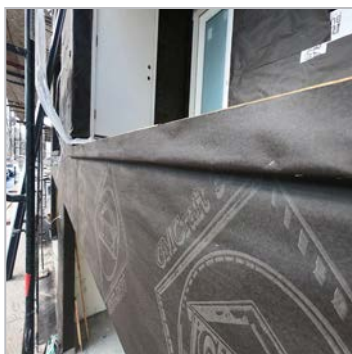
Our membranes are installed with proven details that provide the most protection for the building envelope at common points of vulnerability like door thresholds, posts, and perimeters. This includes the requirement that the vinyl membrane is run up the wall **BEHIND** the building paper or water-shedding vapor barrier at the inside perimeter a minimum of 6-8 inches (depending on local code).

This detail ([IS-08-A Prior to Cladding](#)) typically means that Duradek is installed **before** many other sub-trades coming onto the project. Things like doors and siding are usually installed after the vinyl membrane. While this is the ideal sequencing of building products, the tendency of the other sub-trades to use the deck surface as a staging area or work surface necessitates protecting the vinyl membrane. This additional cost is one that many general contractors would prefer to avoid - but worse would be the inconvenience and cost of re-doing a new deck because of the damage incurred.

There is a way around this! Duradek has a sequencing detail ([IS-08-B After Cladding](#)) that solves this problem which means reduced project costs and broader scheduling options.



Example of the Sequencing Detail Option for Vinyl Membrane Installation After Cladding (IS - 08B)



Step 1

Vapor Barrier/Building Paper was installed on exterior walls and on 2x4 metal-wrapped fascia.



Step 2

The door threshold was pre-flashed with Duradek vinyl prior to cladding installation.



Step 3

The cladding was installed to an 4" clearance with access to the pre-strip moisture barrier behind pre-flashed moisture barrier overlap.

Sequencing Detail for Vinyl Membranes



Step 4

The deck substrate preparation was completed with a 2% slope.



Step 5

The fascia was covered in pre-finished flashing with pre-strip vapor barrier.



Step 6

Vinyl was applied to the substrate and up the walls behind a pre-strip vapor barrier.



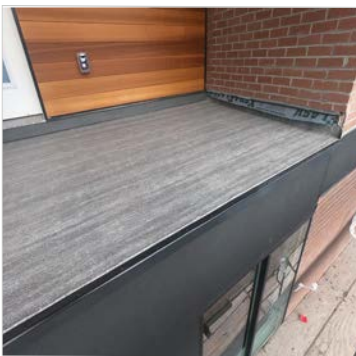
Step 7

The pre-flashed door threshold was finished by heat welding the vinyl sheets together, then covered with the composite trim.



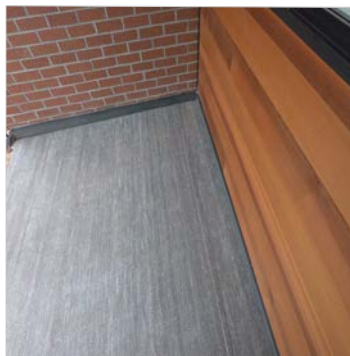
Step 8

A custom diverter was created for the outside corner of the deck edge to ensure surface moisture management.



Step 9

The flashing was fastened to the fascia. Then fascia was wrapped in metal for a clean, contemporary finish.



Step 10

Composite board was installed as a trim to complete the roof deck with a attractive finish.

The Duradek waterproof vinyl membrane was installed with sound waterproofing details, tying it into the building envelope.

The building envelope is protected at all points of vulnerability – not just doors, but outside corners and the deck to the wall.

With this sequencing method, the membrane does not require protection from other sub-trades.

See All Detailed Drawings

at duradek.com/bim-and-cad

Duradek meets building code requirements as both a roofing membrane and a walking surface.