Fortifiber Building Systems Group provides this guide to assist installers by demonstrating a two-layer installation of water-resistant barriers for stucco applications as required by the 2012 International Building Code. This installation guide provides an efficient and effective method for installing water-resistant barriers in residential and light commercial settings. The back of this document details integrating these products with window flashing.

This two-layer installation differs from a two-ply installation in that each layer is installed individually, where the inner layer is integrated with flashing to provide a continuous drainage plane. The outer layer serves to separate and protect the inner layer from the stucco.

Compliance with the building code and proper installation are critical in reducing potential water leakage points. It is the responsibility of the architect or builder to ensure that these standards are met.

This guide applies to Jumbo Tex, Super Jumbo Tex 60 Minute, Two-Ply Jumbo Tex, Two-Ply Super Jumbo Tex, PlyDry, WeatherSmart and WeatherSmart Commercial.

1. INSTALLING WRB

Following installation of windows and flashing, install water-resistant barrier over an approved exterior sheathing. Starting at the bottom of one end of the wall, place the water-resistant barrier roll horizontally (overlapping the corner by a minimum of 6") and roll out the first course evenly, integrating with flashing at window and door openings. Place the membrane so that it is tight and flat. Apply enough fasteners to hold the water-resistant barrier in place until the final wall cladding is installed.

2. FASTENING

Under normal conditions, attaching the water-resistant barrier with a quality exterior grade staple is acceptable. A higher grade of galvanized fastener, or large headed galvanized nail may be required in certain settings or weather conditions.

It is the responsibility of the architect, builder, or foreman to decide the type of exterior grade fastener that will best suit the job at hand and how many of these fasteners are required.
3 SEAM OVERLAPS

VERTICAL

HORIZONTAL

At vertical seams, apply a minimum 6” vertical overlap. When going around corners, make sure the water-resistant barrier is pulled tightly and properly fastened.

Any succeeding course should be placed horizontally over the lower course in a weather-board fashion with a minimum horizontal overlap of 2” (3” is recommended).

When a course of the water-resistant barrier first crosses the path of any window, it needs to be properly integrated with the window sill and jamb flashing for quality moisture management. To do this, tuck water-resistant barrier under the sill and jamb flashing as shown above. The courses above this point can butt into the window jamb.

4 WRB AND WINDOWS

Upper layers of weather-resitive barrier covers jamb flashing

Tuck weather-resistive barrier under sill window flashing

5 INSTALL JUMBO TEX

An outer layer of Jumbo Tex is now installed over the first water-resistant barrier layer in weather-board fashion, following the same requirements for overlaps and fasteners. However, this layer is not integrated with the window flashing, but is instead installed over the integrated flashing and first water-resistant barrier.

WHEN WATER-RESISTIVE BARRIER IS INSTALLED AFTER THE WINDOW

Use one of the following guides that apply.

Method A (self adhesive)
Method B (mechanically attached)
High Performance Two-Step

WHEN WATER-RESISTIVE BARRIER IS INSTALLED BEFORE THE WINDOW

Use the following guide:
Method A1 (self adhesive)

Call 1-800-773-4777 Nationwide for Technical Assistance or visit our Web site at www.fortifiber.com

Limitations: Product should be covered as soon as possible. Inspect product to ensure it is free of any protrusions or damage which may detract from the weather-resistant barrier integrity. Holes, tears or punctures should be sealed with Moistop® Sealant or Fortifiber Sheathing Tape. This product is not recommended for horizontal, roofing or below grade applications.

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