



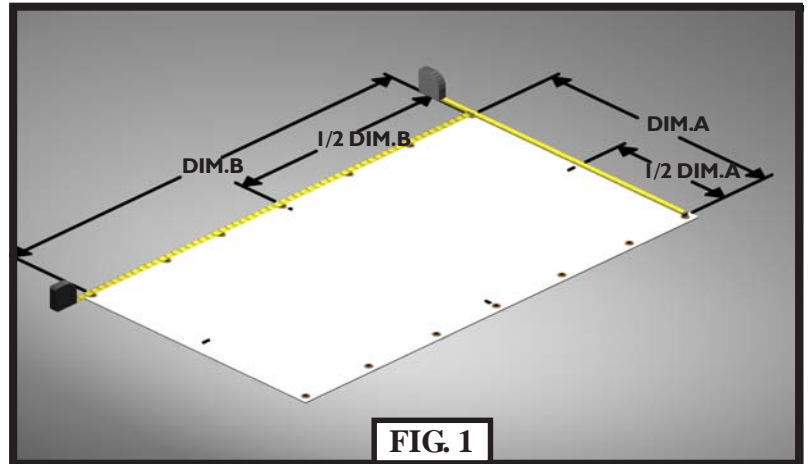
# Fabric-Shield™ Storm Panel Installation Instructions and Owners Manual

## Tools Required:

- \* PanelMate combination drill bit (See TOOL A)  
(0.234" dia. / 0.584" counterbore)
- \* 1/8" Hex Key (to adjust PanelMate combination drill Bit)
- \* 3/8" Socket ( used with PanelMate socket driver )
- \* PanelMate socket driver (See TOOL B)
- \* 1/8" drill bit
- \* Pencil
- \* Safety glasses
- \* Tape measure
- \* Level
- \* Electric drill



NOTE: PanelMate Fasteners, Drill Bits and Socket Drivers are available at many Building Supply Centers, or directly from Wayne-Dalton Corp.

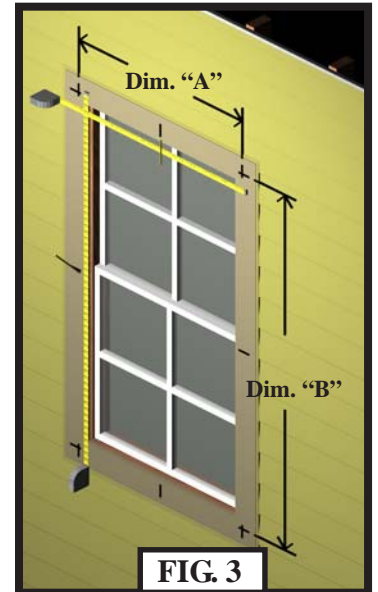


GUIDE FOR DIFFERENT TYPES OF CONSTRUCTION				
<b>WOOD CONSTRUCTION</b>				
Drill Size	Recommended Min. from Edge	Fastener Type	Pilot Hole Depth	Counter Bore
1/8"	3/4" Min.	Male PanelMate	2 1/2"	
1/8"	3/4" Min.	Female PanelMate	2 1/2"	1/2" x 3/4" Deep
<b>CONCRETE CONSTRUCTION</b>				
Drill Size	Recommended Min. from Edge	Fastener Type	Pilot Hole Depth	
0.234" *	2-1/2" Min.	Male PanelMate	2 1/2"	
0.234" *	2-1/2" Min.	Female PanelMate	2 1/2"	0.584" x 3/4" Deep

\* Use PanelMate combination drill bit

1. Lay Storm Panel on a flat surface. Measure the distance (Dim A) between the centers of the two top outer holes. Mark the center on the top and bottom of the Storm Panel with a pencil. Measure the distance (Dim B) between the centers of the top and bottom holes. Mark the center on both sides of the Storm Panel with a pencil. (See Fig. 1)

2. Locate the center of the top and bottom of the opening and mark a vertical line with a level. Also locate the center of the left and right sides of the opening and mark a horizontal line with a level. (See Fig. 2)

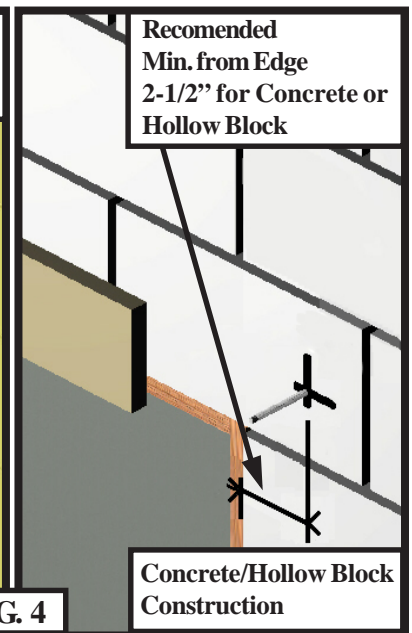
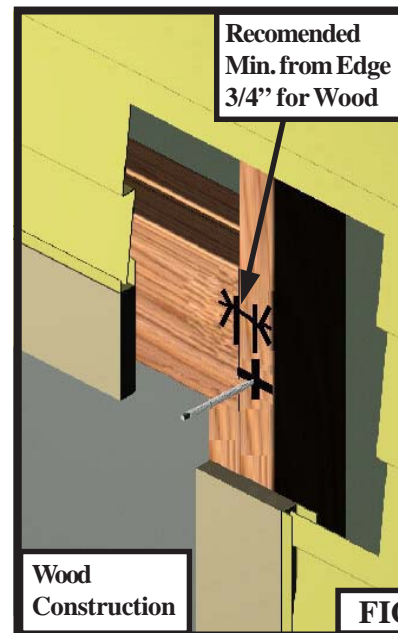


Measure from the vertical center line, of the opening, half of (Dim A) to the left and right. Mark both the top and the bottom of the opening. Measure from the horizontal center line, of the opening, half of (Dim B) to the top and bottom. Mark both the left and right sides, of the opening. Extend the vertical and the horizontal lines so they intersect at all four corners. See Fig. 3.

3. Verify that unit size fits opening properly. A 4" minimum overlap of the unit over the edge of the opening is recommended for the unfastened edges.

Verify that you meet the minimum requirements, for edge distance, for your construction type. (See Fig. 4) (3/4" for Wood and 2-1/2" for Concrete/Hollow Block).

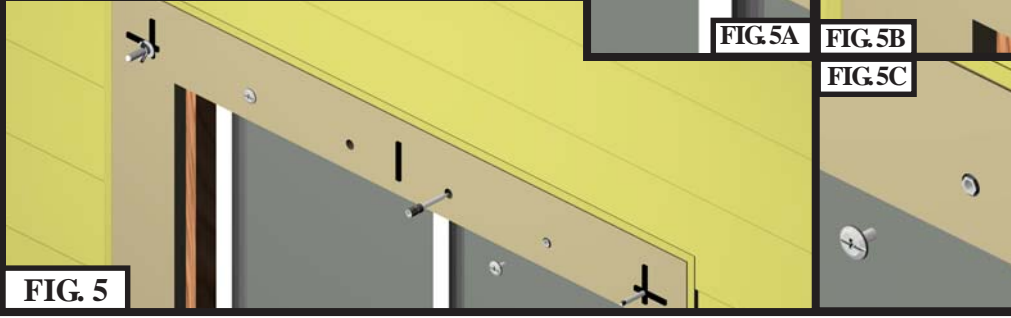
Drill pilot holes on the top (2) marks using only, appropriate drill bit for the correct substrate (1/8" Dia. for Wood and 0.234" Dia. for Concrete).



	Minimum Embedment	
	Male PanelMate	Female PanelMate
Concrete	2"	1 3/4"
Hollow Block	1 1/4"	1 1/4"
Wood	2"	1 7/8"

Install fasteners in the pilot holes (See Fig. 5), assuring minimum embedment into structural member. (See Chart) Minimum embedment and edge distance excludes Stucco, foam, brick, siding and other wall finishes and veneers.

Fig. 5A For Female PanelMate CounterBore 0.584" dia. X 3/4" Deep  
 Fig. 5B Male PanelMate w/wing nut  
 NOTE: Male PanelMate is recommended for top corners to ease installation  
 Fig. 5C Female PanelMate w/sidewalk bolt



4. Hang the Storm Panel on the top (2) fasteners. Verify that the (2) bottom corner marks are correctly aligned with the lower grommets. Slight adjustment may be required.

Assure that the storm panel fasteners are installed such that the openings between the panel and the structure do not exceed 10% of the coverage area. Drill pilot holes on the lower (2) corner marks using the appropriate drill bit. Install fasteners in the pilot holes. Mark the center of the rest of the holes thru the grommets of the Storm Panel. (See Fig. 6)

5. Drill the pilot holes at the center of each marked location.  
 Remove the Storm Panel.  
 Counter bore the pilot hole with 0.584 in. bit 3/4 in. deep if female PanelMates are used.  
 Install the fasteners so the female PanelMate is flush with wall surface.  
 Re-Install the Storm Panel with the appropriate fasteners according to the guide chart.  
 (see page 1)

**⚠ WARNING** PRODUCT SHOULD BE INSTALLED PRIOR TO A STORM. ALWAYS BE AWARE OF LOCAL WEATHER FORECASTS.

**⚠ WARNING** PRODUCT PERFORMANCE IS DEPENDANT ON PROPER INSTALLATION. FAILURE TO PROPERLY INSTALL THE PRODUCT COULD RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE AND/OR PERSONAL INJURY OR DEATH.

**⚠ WARNING** WIND-BORNE DEBRIS MAY BREAK GLASS. STAY AWAY FROM GLASS DURING A STORM.

**⚠ WARNING** OPENINGS COVERED WITH THIS PRODUCT CANNOT BE USED FOR AN ESCAPE EXIT.

THE FABRIC-SHIELD™ STORM PANEL WAS TESTED AND APPROVED, USING MALE AND/OR FEMALE PANELMATES, IN ACCORDANCE WITH:  
 MIAMI-DADE COUNTY PROTOCOLS PA 201-94 & PA 203-94  
 FLORIDA BUILDING CODE TAS 201, TAS 202, & TAS 203  
 ASTM E330-02, E1886-02, & E1996-02

WAYNE-DALTON DISCLAIMS ANY RESPONSIBILITY FOR THE USE OF OTHER FASTENERS.

WAYNE-DALTON IS NOT RESPONSIBLE FOR DETERMINING COMPLIANCE OF THIS PRODUCT AND/OR ITS INSTALLATION WITH ANY CODES AND/OR REGULATIONS ENFORCED IN YOUR AREA.

- Cleaning, Maintenance, and Storage
- \* Make certain the product is clean and dry before storage.
  - \* If product needs cleaning, use only soapy water and a clean sponge or rag. Do not use abrasive cleaners.
  - \* Lubricate Sidewalk bolts, Wing Nuts and Studs, at least once a year. Sidewalk bolts should be stored in the wall.
  - \* Vertical storage off the ground, in a dry, protected and easily accessible area is recommended.
  - \* Wingnuts can be stored on the stud or in any other convenient location.

