ROCSOLID

EXTERIOR DOOR JAMB SYSTEMS

THE FUTURE OF DOOR FRAMES

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THIS CLICK IS SLICK

The KEY to the entire design

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The Leader in Door & Windows Components

Aribell Products Limited, 71 Whitmore Road, Units 1&2, Woodbridge ON L4L 8G5
T.905-669-5001; F.905.669.5030

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THE EVOLUTION OF EXTERIOR DOOR FRAME COMPONENTS

THE DURABILITY & STRENGTH OF A CORNER KEYED WINDOW OUTSIDE.
THE RIGIDITY & EASE OF CONSTRUCTION OF WOOD ON THE INSIDE.

FULL LINE OF PREFINISHED PREHANGING COMPONENTS

4 9/16" Jamb

6 9/16" Jamb

11 1/16" Extender
7 1/4" Frame

Mullion Connector Base

Mullion Cover

Brick Mold 1 5/8"
Two Flute

Brick Mold 2"
Step Down

Filler Strip for Bottom Sill Mount

Corner Key 4 9/16"

Corner Key 6 9/16"

Steel Frame Reinforcement
(one of many options)

Finished Product

FEATURES & BENEFITS

- Lower cost of: Material, Assembly and Inventory
- Easy to assemble
- Solid corner keyed construction
- Paints easily
- Optional steel reinforcement
- Light weight - Lighter than wood
- Water and weather proof
- Long term durability
- Adapts easily to standard manufacturing

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PATENT PENDING

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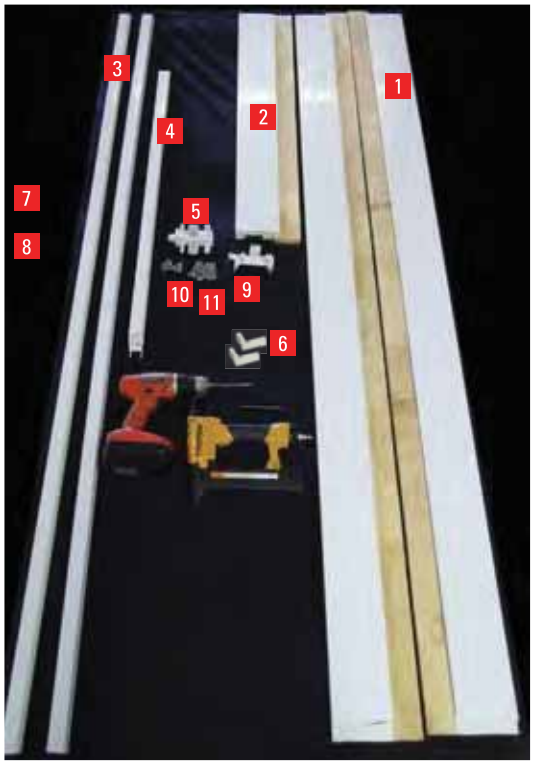
ASSEMBLY GUIDE

SINGLE FRAME ASSEMBLY 6 9/16”

MATERIAL LIST 36” x 6 9/16” Frame



#	Qty	Part Description
1	2	84” Jamb (Wood - 84“, Vinyl - 82 3/4”)
2	1	36” Header (Wood - 36“, Vinyl - 34 15/16”)
3	2	84” Brick Mould
4	1	42” Brick Mould
5	2	Large Corner Key
6	2	Brick Mould Corner Key
7	1	36” Sill
8	1	39 5/8” Sill Extender
9	12	#8 x 1” self drilling (tek) pan head screw
10	8	#8 x 2” particle board screw
11	12	#8 x 5/8” self drilling (tek) pan head screw

Tools Required

Drill
Stapler
Screw Driver

PROCESSING INSTRUCTIONS

JAMBS

When the wood portion of the jamb is set flush with the vinyl portion of the jamb at one end, the wood portion extends past the vinyl portion by 1-1/4" at the other end (this is the top end of the jamb). To obtain the customer's desired jamb length, the flush or bottom end of the jamb must be cut and processed to fit the angle and height of the customer's sill.

HEADER

Align one end of the vinyl portion of the header with the wood portion; the wood will extend 1-1/16" beyond the vinyl portion at the other end.
Cut the desired length on the aligned or flush end of the header. Then slide the wood in the vinyl in such a way that the wood portion extends equally beyond both ends of the vinyl portion by 17/32".

BRICK MOULD

a) The vertical brick mould legs are mitre cut (45°) at the top end and are cut to the required length by cutting the bottom end at an angle matching the slope of the customer's sill tread. The header brick mould is mitre cut (45°) at both ends.
b) Insert the brick mould corner keys in the top end of each brick mould leg as shown in the picture.

SILL

Pilot holes must be drilled near the ends of the sill extension for driving screws through into the bottom ends of the vertical brick mould legs for assembly.
A thinly sliced piece of the brick mould can be used as a drilling template by placing it at the end of the sill extension and marking the hole center using the drill cavity (screw boss) as the location. Then drill a 3/16" hole at the mark.

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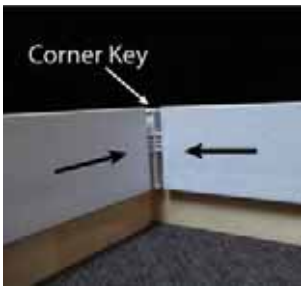
ASSEMBLY INSTRUCTIONS



Step 1 Assemble Jamb and Header

Insert corner key legs into the cavities from the top of each jamb. Then push one end of the header towards the top of the jamb to insert the horizontally exposed legs of the corner key into the header. Repeat for the other end of the header to join all three pieces together.

Step 2 Secure Jamb and Header (a)

Lock in the jamb assembly by drilling #8 x 1" self drilling (tek) screws at the top corner from the outside through the jamb into the legs of the corner key. Use 4 screws at each corner (2 from the header and 2 from the jamb). Optional - use #8 x 5/8" Tek screws to fasten to the center tab of the corner key (this will be the 3rd screw at each side).
Optional 6 9/16" Snap-In Steel Reinforcement (See page 8)

Step 3 Secure Jamb and Header (b)

Shoot 1 1/2" long 18-20GA staples near the upper end in the wood portion of the jamb such that the staples penetrate the end of the wood portion of the header. Repeat at the other corner.

Step 4 Caulk the top corner joints

Caulk the joint between wood sections and vertical leg. Also, caulk the joint between the wood portions and the back of the moulded corner key. Repeat on other top corner.

Step 5 Assemble Sill to Jambs

To assemble the sill to the frame locate it between the bottom ends of the jambs and then drive three #8 x 2" particle board screws from the outside of the vinyl portion of the jamb into the sill substrate material (wood or composite).
Optional 6 9/16" Snap-In Steel Reinforcement (See page 8)

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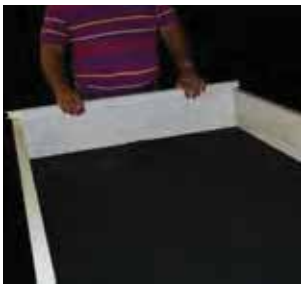
ASSEMBLY INSTRUCTIONS (contd.)

Step 6

Staple the bottom end of the wood portion of the jamb to the substrate of the sill using $1^{1}/_{2}$" long 18-20GA staples.

Step 7

Apply caulking to the insertion channel on the brick mould.



Step 8 Assemble Header Brick Mould

To assemble the header brick mould, align the insertion channel running along the inside edge of the header brick mould with the insertion groove running along the outside edge of vinyl portion of the header jamb and snap the brick mould in.

Note: Ensure the header brick mould is centered on the header jamb with the miters extending equally at both ends.

Step 9

As in Step 7; apply caulking to the insertion channel on the brick mould.

Step 10 Assemble vertical brick mould legs

As in Step 6, align the grooves brick mould legs with the matching grooves on the jamb. The protruding legs of the corner keys will align with the cavities in the header brick mould. Snap the brick mould legs into the jambs and the corner keys will insert into the header brick mould simultaneously.

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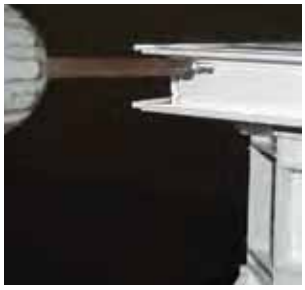
ASSEMBLY INSTRUCTIONS (contd.)

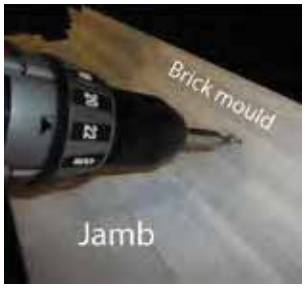


Step 11 Secure brick mould corners

Secure the brick mould corners together by driving one #8 x 1" screw down from the end of the header into the corner key; and another screw sideways from the end of the brick mould leg across into the corner key.

Step 12 Secure bottom of brick mould legs

Secure the bottom ends of the brick mould legs by driving #8 X 2" screws upwards from the bottom of the sill extension through the previously drilled 3/16" holes into the screw port at the bottom of the brick mould.



Step 13 Secure brick mould to jamb

Drive #8 X 5/8" screws at the back of the brick mould snap-in groove into the jamb to lock them permanently. The screw must be driven at an angle of 15° to the jamb, into the small step on the jamb close to the inside edge of the brick mould. On standard height frames, use 2 screws on each leg and 3 screws per leg on overheight frames. Use one screw per header.

Step 14

Caulk the frame and brick mould to the sill at the lower frame connections.

Step 15

Caulk the header and jamb legs at the upper frame connections.

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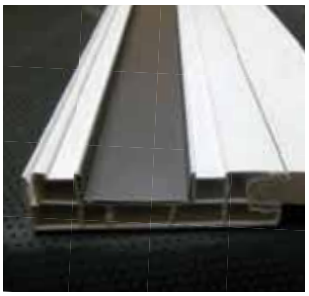
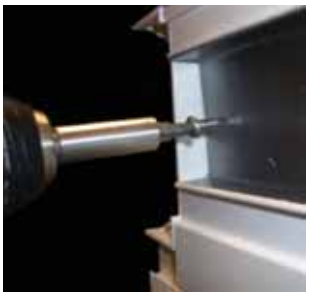
ASSEMBLY INSTRUCTIONS - OPTIONAL SNAP-IN STEEL REINFORCEMENT*

*Only for 6 9/16" jamb applications



Step 1 Insert the steel reinforcement to jamb

Place steel reinforcement into the jamb cavity and ensure it is secured.



Step 2 Secure to the corner key

Drive a 1/2" pan head Tek screw to fasten through the steel reinforcement to the corner key.

Step 3 Secure to the sill

At the sill a Tek screw of 1 1/2" minimum should be used to fasten through the steel reinforcement to the sill.

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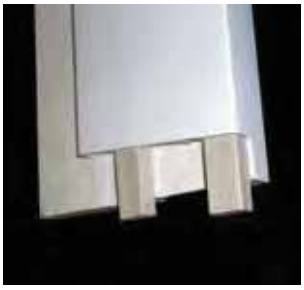
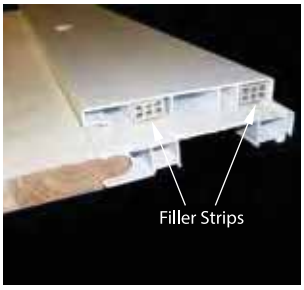
FILLER STRIP USAGE



Step 1 Inserting the Filler Strips

Insert the filler strips in the jamb cavities as shown.



Step 2

Filler Strips shown fully inserted into the jamb cavities.

Step 3 Secure filler strips to jamb

Secure the filler strips to the jamb with 1" tek (self drilling) screws 4" from the end of the jamb.

Step 4

If a second filler strip is required; secure the second filler strip to the jamb with 1" tek (self drilling) screws 4" from the end of the jamb.

Step 5 Secure Sill to Jambs

Secure the sill to the jamb with 1" or longer tek (self drilling) screws from the bottom of the sill and into the filler strip.

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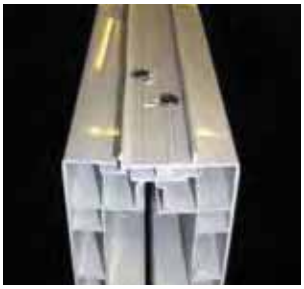
Mullion/Post Construction

Step 1 Attaching mullion connector to jamb

Attach the mullion connector to the jamb at the trim insertion channel by inserting the attachment leg of the mullion connector as shown.
Note: The mullion connector has 2 insertion legs, one of which has a barb. Attach a jamb by inserting on the barbed side first.

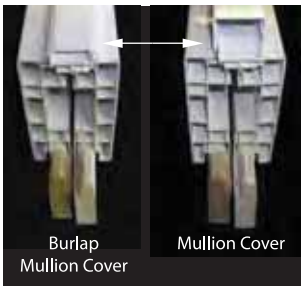
Step 2

Attach the second jamb to the mullion connector by aligning the insertion groove of the jamb to the opposite, non-barbed, insertion leg of the mullion connector and press them together.



Step 3 Secure mullion connector to jambs

Secure the mullion connector to the mulled jambs by using 1" tek (self drilling) screws the connector as shown, into the connector and through the jamb. One row of screws to secure each jamb. Position the screws in a staggered manner for added strength.



Step 4 Attaching mullion cover

Slide the mullion cover or burlap mullion cover as per required application over the mullion connector to conceal it.
Note: Use corrugated fasteners or screws to secure the wood portions of the two mulled jambs over the inside face.

Step 5 Insert filler strips (For Posts)

For posts insert filler strips into jamb cavities to allow for easy attachment. (See page 8 - Filler Strip Usage)

Garden Door applications also available

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