NEW CONSTRUCTION ENTRY DOOR WITH PERMATECH™ FRAME INSTALLATION INSTRUCTIONS

Tools & Materials You Will Need:

- Measuring Tape
- Carpenter's Square
- (1) Box Wood Shims
- Pencil
- Hammer
- Drill & Drill bits
- Utility Knife
- Level
- (1) box 2 1/2" - 3" Galvanized Decking Screws
- Hacksaw or Reciprocating Saw
- Caulking Gun & High-Performance Premium Caulking
- (1) Lockset Adjustable Strike Plate (Bottom)
- (1) Lockset Adjustable Strike Plate (Top)
- (1) Deadbolt Strike Plate (Top)
- (1) Black Dust Box
- (4) #10 x 2 1/2" Security Screws for Hinge to Jamb
- (4) #8 x 2 1/2" Strike Plate Screws

Materials Provided:

- (1) Lockset Adjustable Strike Plate (Bottom)
- (1) Lockset Adjustable Strike Plate (Top)
- (1) Deadbolt Strike Plate (Top)
- (1) Black Dust Box
- (4) #10 x 2 1/2" Security Screws for Hinge to Jamb

PermaTech™ Composite Frame Information

This composite frame system contains a vinyl blended Composite Cellular PVC technology that has been tested to perform better in stiffness than an ordinary 100% PVC foam profile. It has superior durability, low maintenance, and can be installed with standard carpenter tools. The PermaTech composite frame system is available in white from our factory and can be painted. Please see Pages 6 - 8 of this manual for painting recommendations. Important! Do not install a storm door onto the brickmold/jamb area of the composite frame - doing so will void the warranty of your ProVia entry door system.

Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA’s website at: www.epa.gov/lead

REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

1 UNPACKAGING NEW UNIT

Step 1 - Unpackage new door and confirm swing, color, style and that your order was shipped complete.

Step 2 - Confirm door is correct size for your opening by using sizing chart listed below and ordering information from the bar coded label on shipping box.

UNPACKAGING NEW UNIT

To calculate the Brickmold to Brickmold Width for Outswing doors, add 5/8” from the sizes shown above.

To calculate the Unit Height and Brickmold to Brickmold Height for Outswing doors, deduct 1/2” from the sizes shown above.
2 PREPARE ROUGH OPENING

Note: If you are replacing an existing wood frame follow each step, if this is a new opening go to Step 5.

Step 1 - Remove interior casing and exterior brickmold.

Step 2 - Remove hinge pins and door slab.

Step 3 - Remove or cut screws and nails fastening old frame. Take out existing door frame including the threshold.

If sill is non-removable (one piece wood type), cut or chisel until it is flush with floor (see above illustrations).

Step 4 - Rough opening should now be stud to jack stud and floor still plate to underside of header.

Sill area may need to be built up so that new door slab will clear carpet, hardwood, etc.

Make sure floor is level and that the rough opening is plumb and square.

Step 5 - If sill is not level, place shims in position so that new wood jamb sits directly on top of shim (see illustration)

Step 6 - Caulk floor with heavy beads of caulking where new threshold extrusions will contact floor.

Place first caulking bead from inside home inwards at 1 3/4" distance and the second caulking bead 3" from first bead (see illustration).
**3 INSTALLING NEW UNIT**

**Step 1** - Tilt header jamb away from rough opening and set bottom jamb threshold into opening first (from the outside). Set on top of the heavy beads of caulking, then tilt header jamb into rough opening (see illustration).

**Step 2** - Temporarily fasten header brickmold to outside sheathing to hold unit in place while shimming.

**Step 3** - On hinge side, run the large head #10 x 2\(\frac{1}{2}\)" hinge security screws through hinges (see removable factory label placed on hinge side and illustration).

**Step 4** - Install strike plates using smaller head #8 x 2\(\frac{1}{2}\)" installation screws from supplied hardware bag/box.

**Step 5** - On strike side, run the 3" galvanized decking screws behind weatherstripping (see illustration).

See Troubleshooting Section before going to Step 6.
3  INSTALLING NEW UNIT

Step 6 - Shim and fasten the header where necessary to adjust the margin.

Shimming locations:

Wedge shims at the bottom of each corner to center and stabilize unit. Minimum of (5) for each side is recommended.

1. Between wood jamb and jack stud
2. Behind each hinge
3. Strike side - 6 places
4. Hinge Side - 5 places

At the bottom of Hinge and Strike side, there will be 3 shims spaced 2" apart.

Place shims in position so that the hinge security screws and the 3" galvanized decking screws on the strike side will run through shims (see illustrations).

Snug shims in place so that the margins from slab to frame are approximately $\frac{1}{8}$" (see illustration).

Step 7 - Once all shims are in place and the inside of jamb is fastened, run 3" galvanized decking screws through brickmold on outside (see illustration).

Step 8 - Caulk around brickmold and where sill meets the floor (see illustration).

Step 9 - Adjust threshold cap if necessary (see illustration).
TROUBLESHOOTING

Problem – Strike margin is too small (slab hits frame on strike side):
• Loosen hinge side shims a little and pull hinge frame toward stud by tightening the hinge security screws.
• Loosen strike side shims and pull strike frame toward stud by tightening the screws behind weatherstripping.

Problem – Strike margin is too large:
• Increase shim depth behind jamb on hinge side. (See Section 3)
• Increase shim depth behind jamb on strike side. (See Section 3)

Problem – Header margin is too large on strike side:
• Shim directly under wood jamb on hinge side to raise door slab in the frame. (See Section 2)

Problem – Header margin is too small on strike side:
• Shim directly under wood jamb on strike side to raise frame away from door slab. (See Section 2)

Problem – Wall is not plumb:
• Shim behind wood brickmold to put wood frame in a plumb position (see illustration).
PAINTING RECOMMENDATIONS FOR PERMATECH™ COMPOSITE

When using mineral spirits, paints, or other hazardous materials, always read and follow manufacturer's instructions. ProVia, Inc. does not make any claims or representation as to proper use of paint products from other manufacturers and does not warranty any product that was painted outside of its factory.

<table>
<thead>
<tr>
<th>Tools &amp; Materials You Will Need:</th>
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<tbody>
<tr>
<td>• Lint-Free Cloth</td>
</tr>
<tr>
<td>• Acetone</td>
</tr>
<tr>
<td>• Nitrile Gloves (solvent-resistant gloves)</td>
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<tr>
<td>• Masking Tape</td>
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<tr>
<td>• 4&quot; Bristle Brush</td>
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<tr>
<td>• Scotch Brite Pad (Fine) or 320-400 grit Sandpaper</td>
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<tr>
<td>• For water-based applications: Acrylic-Based Primer with Acrylic Latex Based Exterior Grade Paint</td>
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</tbody>
</table>

Recommended Brand of Paint for PermaTech Composite Frame: Sherwin-Williams Prep-Rite® Bonding Primer with compatible acrylic paint for optimal paint adhesion.

REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

- When working with paints or solvents, always make sure your working area is properly ventilated.
- Keep paints and solvents away from heat and flame as these materials can be combustible.
- Paints or solvents may cause skin and eye irritation. Avoid contact with skin and eyes.
- Keep out of reach of children.

SURFACE PREPARATION

Step 1 Using a Scotch Brite Pad or 320-400 grit sandpaper, lightly scuff sand the surface.

Step 2 Using Nitrile gloves and a lint-free cloth dabbed with Acetone, gently wipe the frame to clean off any dust or residue from the surface.

DO NOT USE hydro-carbon based solvents to clean the surface - doing so could leave a residue.

Allow Acetone to dry.

Contact your local recycling waste management center for waste disposal in your area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.
2 APPLYING PRIMER

Step 1 Using a 4” paint brush, apply the primer to the PermaTech frame.

Follow the manufacturer's instructions for drying time before applying the topcoat.

The primer must be completely dry before applying the topcoat.

3 APPLYING TOPCOAT

It is recommended that a paint consisting of an LRV of 57 or higher be used. Please check with manufacturer of the paint to determine its LRV values.

Step 1 Using a 4” paint brush, apply the exterior grade paint to the PermaTech frame.

Follow the manufacturer's instructions for drying time before applying the topcoat.

The topcoat must be completely dry before proceeding to entry door installation.

<table>
<thead>
<tr>
<th>ProVia Color</th>
<th>LRV Value</th>
</tr>
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<tbody>
<tr>
<td>Snow Mist White</td>
<td>92.32</td>
</tr>
<tr>
<td>Primrose Yellow</td>
<td>90.11</td>
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<tr>
<td>Cafe Cream</td>
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<td>Enzian Blue</td>
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<td>Mountain Berry Red</td>
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<tr>
<td>Rustic Bronze</td>
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<tr>
<td>Coal Black</td>
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