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Note
The information in this document is subject to change without notice.

General Safety Precautions
Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through its own analysis to select products suitable for their specific application requirements, ensure they are properly maintained, and limit their use to its intended purpose.

Follow proper local, state and federal regulations for proper installation and operation requirements.
GENERAL DESCRIPTION

Vinyl handrails are designed for years of safe building use. Proper installation of the handrails are critical to the product’s performance. The following are general instructions for installing, maintaining and cleaning vinyl corner guards. These are recommended general guidelines only. Locally accepted installation practices and procedures should be followed to ensure a system that meets all local code requirements.
INSTALLATION

Preparation: Verify that all products listed on the packaging slip are included in the package. Check the products for damage. If product is damaged, contact customer support immediately to report a freight claim.

Store material in a clean dry place where the temperature is maintained between 50°F (10°C) and 100°F (38°C). Walls and rooms should be maintained at a minimum of 65°F (18°C) for at least 48 hours prior to installation. Acclimate materials to normal building conditions for at least 24 hours before cutting and installing.

Step 1 Determine top of handrail height and snap a chalk line 3-3/4 inches below for centerline of mounting hardware, see fig. 1.

Step 2 Cut retainer. See Cutting Adjustment Diagrams and Schedule for adjustments to retainer length at wall returns, inside corners and outside corners. Refer to Minimum Layout Configurations and for additional information. All cuts must be square and deburred.

Step 3 Layout retainer “face up”, mark and drill bracket mounting hole locations. Use groove in retainer to locate centerline for drilling, see fig. 2. Bracket mounting holes must be spaced:

- Not to exceed 32 inches on center
- 1-1/2 inches to 6 inches from end of retainer at returns and corner accessories
- A minimum of 4 inches from end of retainer at splices to avoid interference with splice hardware (shown in fig. 6)
- To align with metal studs (on metal stud construction) or preferably with horizontal backer plate (by others)

Step 4 Locate and drill bracket mounting holes in wall construction using the retainer as a template or by careful measurement. Choice of hardware will dictate hole diameter.

Step 5 Insert molded accessories into end of retainer, press firmly to ensure molded part is seated squarely against the end of the retainer. Drill accessory mounting holes using the accessory as the template, see fig. 3.

Step 6 Cut flexible cushion short enough to comfortably fit between molded accessories. Slide cushion into receptacle on retainer, see fig. 4.

Step 7 Attach molded returns, outside corners and inside corners to retainer with accessory seated firmly and squarely while tightening. Fasten with 1/4 inch bolt, flat washer and nylon lock nut provided.

Caution: Do not use a lock washer, use flat washer only. Always place a flat washer between nut and molded tab. Tighten to 10 ft-lbs maximum torque, see fig. 5.
Step 8  Mount assembly to wall with the appropriate hardware according to wall construction. See Step 9 for splicing information.

**Suggested wall mount hardware**

- **Drywall**: Toggler brand toggle bolts
- **Masonry**: Plastic Alligator insert

Step 9  Refer to fig. 6 for splicing of retainer as required on longer handrail lengths. Always locate splice joints a minimum of 4 inches from bracket locations to allow for clearance of splice hardware. For best results offset butt joints in cover, accent strip, and bumper guard from splice in retainer.

Step 10  Measure between accessories (corners and returns) and cut the handrail cover, accent and bumper guard profiles. Cut profiles so they will span aluminum retainer butt joints. All cuts must be square and deburred.

Step 11  Place the accent strip in the finger groove of the retainer, ID mark down, see fig. 7. Snap on the upper handrail cover then snap on lower bumper guard by hooking the upper leg first and then snap the lower hook into position.
6-1/4 inch Vinyl Handrail
Model(s): BHRVE625C

fig 1

Top of Handrail
3 3/4"
Chalk line

fig 2

Drill groove

fig 3

Aluminum retainer
Drill accessory mounting hole
Molded accessory

fig 4

Slide bumper in channel

fig 5

1/4" Bolt
Nylon lock nut
Flat washer

fig 6

Aluminum retainer
Splice

fig 7

ID Mark Downward
Accent Strip
Aluminum Retainer

Upper Vinyl Handrail Cover
Lower Vinyl Bumper Guard
Impact Cushion
CUTTING ADJUSTMENT DIAGRAMS AND SCHEDULE

<table>
<thead>
<tr>
<th>RETAINER</th>
<th>COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return</td>
<td>L - 3-3/8&quot;</td>
</tr>
<tr>
<td>Outside Corner</td>
<td>L - 3/16&quot;</td>
</tr>
<tr>
<td>Inside Corner</td>
<td>Miter</td>
</tr>
</tbody>
</table>

Important: Install retainer and molded accessories before cutting the snap-on cover.

MINIMUM LAYOUT CONFIGURATIONS
### PARTS LIST

<table>
<thead>
<tr>
<th>Diagram #</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BHRVE625C-LR-P</td>
<td>LEFT RETURN</td>
</tr>
<tr>
<td>2</td>
<td>BHRVE625C-RR-P</td>
<td>RIGHT RETURN</td>
</tr>
<tr>
<td>3</td>
<td>BHRVE625C-OC-P</td>
<td>OUTSIDE CORNER</td>
</tr>
<tr>
<td>4</td>
<td>BHRVE625C-AS-P</td>
<td>SNAP ON COVER</td>
</tr>
<tr>
<td>4</td>
<td>BHRVE625C-AR-P</td>
<td>SNAP ON COVER, GROOVED AND TEXTURED</td>
</tr>
<tr>
<td>5</td>
<td>BHRVE625C-MB-P</td>
<td>HANDRAIL COVER</td>
</tr>
<tr>
<td>6</td>
<td>BHRVE625C-AS-P</td>
<td>ACCENT</td>
</tr>
<tr>
<td>7</td>
<td>BHRVE625C-CSH-P</td>
<td>IMPACT CUSHION</td>
</tr>
<tr>
<td>8</td>
<td>BHRVE625C-AR-P</td>
<td>ALUMINUM RETAINER</td>
</tr>
<tr>
<td>9</td>
<td>BHRVE625C-BR-P</td>
<td>MOUNTING BRACKET</td>
</tr>
<tr>
<td>10</td>
<td>BHRVE625C-SK-P</td>
<td>SPLICE KIT</td>
</tr>
</tbody>
</table>

MAINTENANCE

- Do not use ammonia based cleaner, powdered cleaners or bleach; they can leave a residue if not rinsed properly. Use a liquid cleaner, such as SoftScrub without bleach, Fantastic, 409, etc., on a sponge or a soft cloth; use a stiff bristle brush to remove heavy dirt from the textured surface if necessary. Always rinse with clean water and dry with a soft cloth.

- For heavy-duty cleaning (graffiti, etc.) use a stronger cleaning agent, such as “Crown Anti-Vandal Spray”, or the equivalent. Follow the same procedures noted above, always rinsing all areas thoroughly in clean water and drying completely.

- Do not use water with extremely high temperature and do not use steam to clean vinyl because it may cause blistering and/or warping.

- Do not use abrasive cleaners or other cleaning implements, such as steel wool or cleaning pads, as they may mark or gouge the material.

- To add luster and additional protection, you can apply a thin layer of a vinyl enhancer, such as Pledge.

- Please contact manufacturer for technical support questions and/or replacement parts such as repair kits.
STANDARD WARRANTY

Babcock-Davis warrants all Wall and Door Protection to be free from manufacturing defects in materials, factory finishes and workmanship for a period of five (5) years from the date of shipment. Should a product fail to function in normal use within this period, Babcock-Davis shall furnish a replacement or new part at Babcock-Davis’s discretion. Failure to use product in methods consistent with Babcock-Davis product manuals shall relieve Babcock-Davis of any liability. Our liability under this warranty excludes installation or removal costs involved in the product replacement and excludes any responsibility for incidental or consequential damage of any nature.

For warranty support and registration please visit www.babcockdavis.com/support
FACTORY ASSISTANCE

Babcock-Davis engineers and manufactures Wall and Door Protection for worldwide customers. Our products are an integral part of commercial projects to prevent damage and safeguard your building investment. Recognized as an industry leader, Babcock-Davis has been relied upon by building and construction professions for over 100 years and we pride ourselves in offering exceptional technical support.

Please do not return any product before discussing your application problem with a Babcock-Davis representative and obtaining a Return Authorization.

Your Babcock-Davis representative is eager to help you. Please feel free to call your representative or contact Babcock-Davis to discuss your application.

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