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# Altro Puraguard Installation Guide

June 2016

Altro Puraguard wall panels are smooth, durable, cleanable, and easy to install. Altro Puraguard is available in 4'x8' and 4'x10' panels sizes and includes a variety of connectors, reducers, and corner accessories. This makes Altro Puraguard extremely efficient and easy to install. This greatly minimizes downtime, a must for busy commercial kitchens!

**Adhesives:** Altrofix W157 one part acrylic adhesive and Altrofix W39 two part polyurethane adhesive are recommended for installations. See substrate chart on the following page to determine the proper adhesive to be used.

**Storage and Conditioning:** Altro Puraguard panels must be stored on a smooth, dry, flat surface. Allow panels enough time to reach room temperature. Installation of panels can begin once the panels reach ambient room temperature between 68°F (18°C) and 80°F (27°C).

**Surface Preparation:** Altro Puraguard panels must be installed on solid substrates. Ensure that the area is smooth, clean, dry and flat. Any debris, loose paint, plaster and dust must be removed. For ease of installation seal all porous surfaces with a PVA primer before installation.

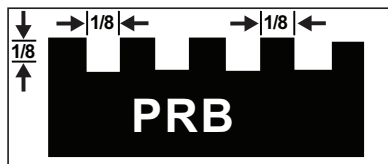
**Cutting and Fitting:** Altro Puraguard PVC panels can be cut by many different means. The most effective cutting method is by using a carbide tipped fine toothed circular saw. For cut-outs, such as switches, outlets and rectangular shapes use a jig saw or oscillating multi tool. For pipe penetrations or round shapes use a step drill bit or fine tooth hole saw. Be sure to leave a minimum 1/16" gap at all moldings, openings, fastener holes, terminations and panel edges. Do not fit panels tightly. Always wear proper personal protective equipment when handling, cutting and installing panels.



## Adhesives and Trowel Notch

### Trowel notch

Use only approved adhesives and trowel notches as recommended by Altro. Consult the adhesive label for detailed application instructions.



### PRB- 1/8th - recommended trowel notch for most applications

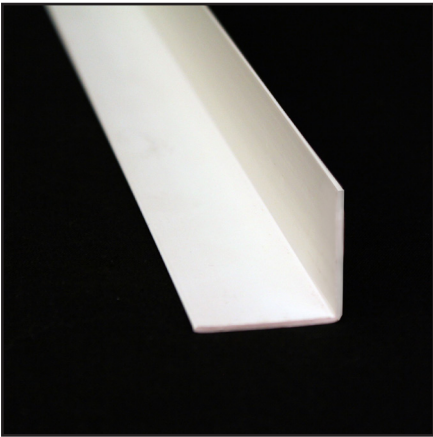
- Altrofix W157 - Water-based acrylic adhesive is suitable for surfaces in dry, climate controlled areas and may only be used with absorbent substrates (drywall, wood, porous concrete/block).
- Altrofix W39 - Two-part polyurethane adhesive suitable for wet areas, non climate controlled areas and for all absorbent and non-absorbent surfaces. When in doubt, use this adhesive.
- Priming - May be necessary for very absorbent or dusty substrates. Use 1 coat of a PVA primer (VALSPAR, Glidden, or equal.)

Adhesive spread rate is approximately **50 sq ft per gallon**. Bond test should be performed on all surfaces.

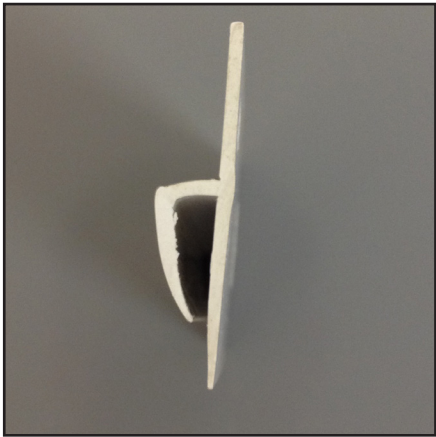
Substrate	Altrofix W39 two-part adhesive system	Altrofix W157 acrylic adhesive system
Drywall Minimum 1/2" thick	A & B	A, B, & D
Plywood Minimum 3/8" thick	B & E	B & E
Metal	Required Choice	Not Recommended
Plaster	B & E	B & E
Smooth Concrete	B	B
Painted	C	D

- (A) = All gypsum joint compound needs to be primed with PVA primer
- (B) = Very absorbent surfaces must be primed with one coat of a PVA primer.
- (C) = A bond test is advisable to check adhesive does not react with paint.
- (D) = W157 should not be used for bonding to moisture resistant substrates.
- (E) = Test for moisture with a GE Protimeter, which should give a maximum reading of 16% WME (wood moisture equivalent).

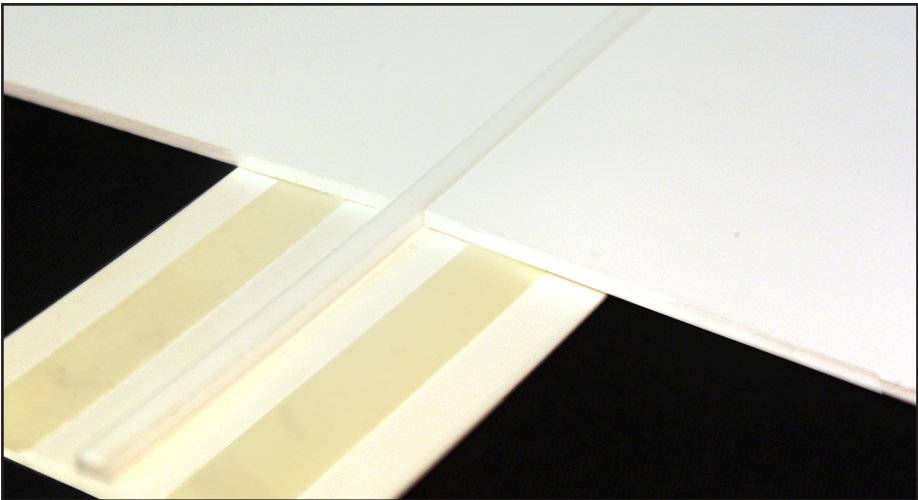
Panel Moldings: Various moldings are available for use with Altro Puraguard PVC panels. See panel moldings chart below for item picture and description. See following page for specific installation instructions for each molding.



A839/25 External Cover 8'  
A839/30 External Cover 10'



C4 cap strip  
ASF C4CAP

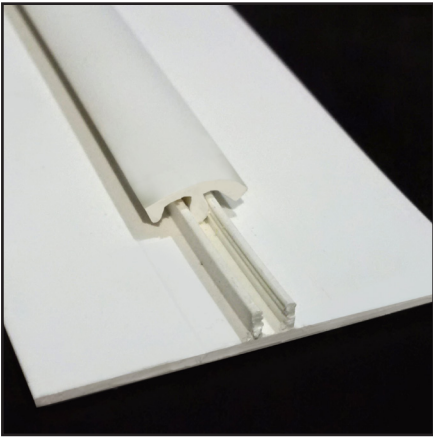


A840/25 Altrotite Gasket Trim 8'  
A840/30 Altrotite Gasket Trim 10'

1 piece adhesive backer with gasket center allows two panels to be joined easily and unobtrusively



4' Stainless steel corner guard  
A861



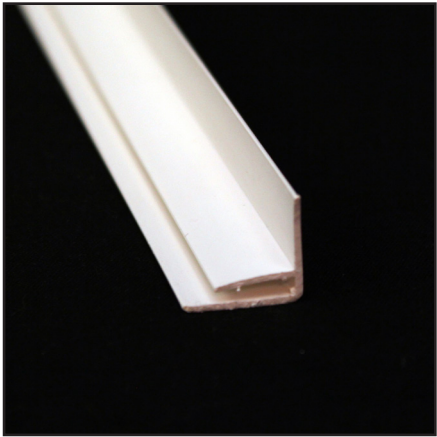
A731/25 Joint Strip 8'  
A731/30 Joint Strip 10'

Two part, both pieces shown



A733/25 Start & Edge 8'  
A733/30 Start & Edge 10'

Two part, both pieces shown



A826/25 Internal/External Corner 8'  
A826/30 Internal/External Corner 10'

**Molding Installation:** Cut panels to fit with minimum 1/16" gap at top and bottom of panel. When using panel moldings install as follows:

**A826 Internal/External Corner:** Use this molding at either inside or outside corner locations to finish off panel edge. For inside corner installation place a ¼" bead of sanitary sealant behind molding piece to seal to substrate. Insert panel into trim piece on one side and overlap trim piece on other. Place a 1/8" bead of sanitary sealant where panel will overlap trim piece. For outside corner installation install panel on one side of corner and place a ¼" bead of sanitary sealant on substrate at outside corner location. Insert molding piece into corresponding panel to be installed at outside corner and place a 1/8" bead of sanitary sealant on back side of molding.

**A839 External Corner Cover:** Install both left and right side panels to within 1/8" of outside corner. Apply 3-1/8" beads of sanitary sealant to full length of both sides of corner where it will come in contact with panels. When applying sealant keep ¼" spacing away from the perimeter of the molding piece to avoid excessive adhesive on face of panel. Apply A839 to outside corner and roll both sides. To help hold the molding in place use a non-marring tape applied horizontally until sealant has cured.

**A840 Altrotite Gasket Trim:** This trim piece is used between panels to provide a water tight seal. After panel and molding has been cut to fit peel off protective paper on one side of trim piece. This will leave the pre-applied adhesive exposed. Install molding directly against panel at seam location. Install panel. For corresponding panel (and all subsequent panels requiring this joining method) Altrotite is to be installed on the leading edge of the panel before adhesive application. The opposite edge of the panel must be kept clean and free of adhesive as this will be adhered to the Altrotite Gasket Trim already installed on the previous panel.

**A731 2 Part Joint Strip:** Install backer of this molding piece behind panels as they are installed. Leave a minimum 1/16" gap between backer slot and panel on both sides of backer. After installation of panels is complete install cover trim piece into slot in backer.

**A733 Start/Stop Edge Trim:** Use this molding to finish off panel at top or sides. Install backer piece of molding behind

panel and upon the completion of installing panels insert cover trim piece into backer slot.

**A861 Stainless Steel Outside Corner:** Install both left and right side panels to within 1/8" of outside corner. Apply 3-1/8" beads of sanitary sealant to full length of both sides of corner where it will come in contact with panels. When applying sealant keep ¼" spacing away from the perimeter of the molding piece to avoid excessive adhesive on face of panel. Apply molding to outside corner and roll both sides. To help hold the molding in place use a non-marring tape applied horizontally until sealant has cured.

**Panel installation:** Wipe back of panel with Antistatic wipes prior to adhesive application. Using appropriate adhesive and trowel spread the back of the panel from side to side and from top to bottom. If using Altrotite Gasket Trim apply trim piece to appropriate seam location on panel before applying adhesive. Also keep adhesive 1" away from panel seam edge where the panel will be installed against a previously installed Altrotite Gasket Trim piece. Unless otherwise noted and for all trim pieces adhesive must be installed to within 1/8" of trim and panel edges. If overlapping any existing flooring or non-porous base system apply 3- ¼" beads of sanitary sealant to back of panel along the bottom 2" of the panel.

**Fixture Installation:** Allow adhesive to set a minimum of 24 hours or until panels are firmly bonded to wall prior to fixture installation. When installing fasteners through a finished and completed Altro Puraguard installation make sure to leave a minimum 1/16" gap all the way around the fastener to allow for panel expansion and contraction.

**Sealing Altro Puraguard Panels:** Place a continuous bead of sanitary sealant along all panel edges and protrusions upon completion of installation. To remove excess sealant use de-natured alcohol immediately.

**Cleaning:** Clean any fresh acrylic adhesive with soap and water. Polyurethane adhesive as well as excess sanitary sealant must be cleaned immediately with de-natured alcohol. After installation remove protective plastic coating and wipe down with Antistatic solution or wipes. Panels may be cleaned with Altroclean 44 cleaner and a microfiber towel.