



# Installation guide for Altro Puraguard

Altro Puraguard wall panels are smooth, durable, cleanable, and easy to install. Altro Puraguard is available in 4'x 9' and 4'x10' panel 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 and trowel notches

Altro W157 one-part acrylic adhesive and Altro W39 two-part polyurethane adhesive are recommended for installations. See substrate chart below to determine the proper adhesive to be used.

Use only approved adhesives and trowel notches as recommended by Altro. Consult the adhesive label for detailed application instructions. The recommended trowel notch for most applications is PRB 1/8th.



**Altro W157**, a 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).

**Altro W39**, a two-part polyurethane adhesive, is 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 one coat of a PVA primer (Valspar, Glidden, or equal).

Adhesive spread rate is approximately 50 sq ft per gallon.

## Adhesive selection *additional notes*

Substrate	Altro W39 two-part adhesive system	Altro W157 acrylic adhesive system
Drywall minimum 1/2" thick	A and B	A, B, and D
Plywood minimum 3/8" thick	B and E	B and E
Metal	Required choice	Not recommended
Plaster	B and E	B and 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) Altro 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% wood moisture equivalent (WME).

## 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).

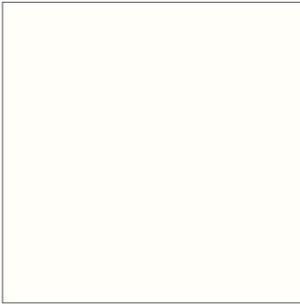
## Surface preparation

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.

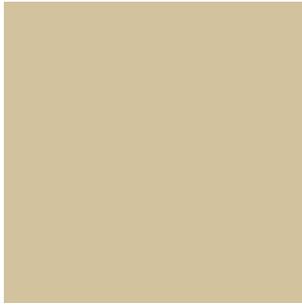
## Color availability



### White

9' x 4' panel  
10' x 4' panel

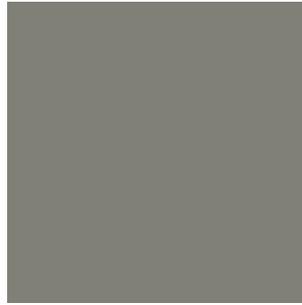
W139  
W135



### Barley

9' x 4' panel  
10' x 4' panel

W140 / 300  
W141 / 300

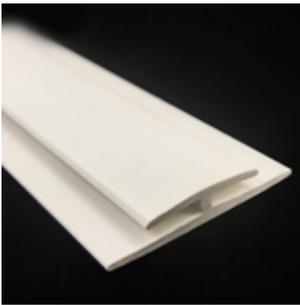


### Pepper

9' x 4' panel  
10' x 4' panel

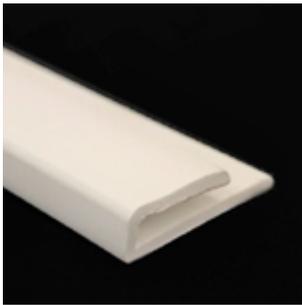
W140 / 301  
W141 / 301

## Accessories



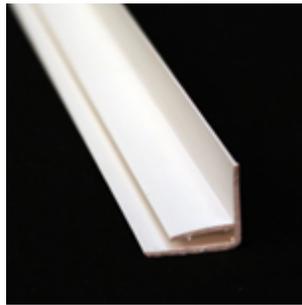
### One-part Joint Strip 10'

White G731 / 30  
Barley G731 / 300  
Pepper G731 / 301



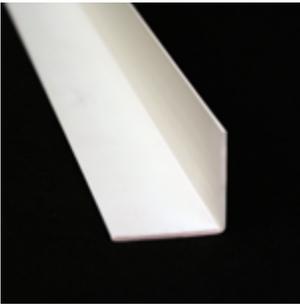
### Start + Edge Trim 10'

White G733 / 30  
Barley G733 / 30 / 300  
Pepper G733 / 30 / 301



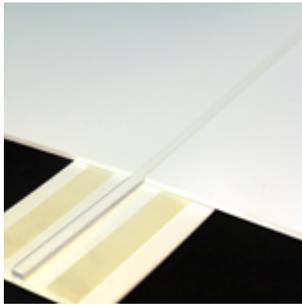
### Internal / External Corner 10'

White A826 / 30  
Barley A826 / 30 / 300  
Pepper A826 / 30 / 301



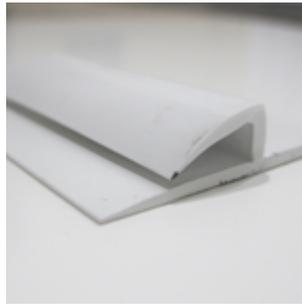
### External cover 10'

White A839 / 30  
Barley A839 / 30 / 300  
Pepper A839 / 30 / 301



### Altrotite Gasket 10'

White A840 / 30  
Barley A840 / 300  
Pepper A840 / 301



### C8 Cap strip 8'2''

White ASF C8 CAP



### Stainless steel corner protector 4'

A861

## 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 1/4" 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 1/4" 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 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 1/4" 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.

### G731 One-part joint strip

While preparing the first panel, bevel the butting edge. Attach the one part joint so that it is tight against the panel edge. Adhere and place on wall. Use three horizontal rows of 1" double sided tape. Lay the next panel (prepared the same way) onto the exposed back leg of the joint strip. Tap the G731 toward the second panel so the face overlaps both panels equally.

### G733 Start/stop edge trim

Use this molding to finish off panel at top or sides.

### 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 1/4" 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.

## C8 Cap tile strip

This accessory is used on all Altro Puraguard installations where a water-tight joint is required. The Altro sheet flooring or equivalent should be coved up the wall and finished into the bottom half of the C8 Cap strip. The Altro Puraguard panel sits on top of the strip and is sealed with sanitary sealant.

### 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. 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 3/4" 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.