



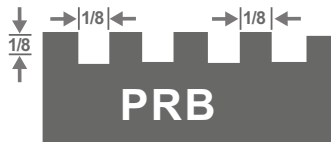
# Installation guide for Altro Puraguard

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**, 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.



**Altro W147**, a versatile water-based acrylic blend spray adhesive, is suitable for surfaces in dry climate controlled areas and for most all absorbent and non-absorbent surfaces.

Altro W157 acrylic adhesive, Altro W39 two part polyurethane adhesive and Altro W147 spray 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.

Very absorbent / porous substrates (particularly plaster finishes and very dusty or unprimed sheet-rock) must have one coat of primer (Valspar, Glidden, Benjamin Moore, or equal) applied to the surface a minimum of 12 hours prior to the installation.

Adhesive spread rate for W157 and W39 is approximately 50 sq ft per gallon. Coverage rate for W147 spray is approximately 72 sq ft per can.

## Storage and handling

Panels and all other Altro materials are to be acclimated on site 72 hours before installation. HVAC is to be up and running with ambient temperatures between 68°F (18°C) and 80°F(27°C) before, during and there after the installation.

- Altro Puraguard, Adhesives, and Accessories must be stored in enclosed dry conditions and not subjected to freezing or excessive heat. Heat above 140°F will distort and damage the material, cold temperatures will make the material brittle and temperatures below 23°F should be avoided during the storage process.
- When stacking pallets they should not be stacked more than 8 pallets high and stacked flat without bumps or rolls and in a square and well aligned configuration, safety precautions should be taken to secure pallets to prevent shifting or falling.
- Eye protection should be used and care taken during cutting, fitting, and thermoforming procedures.

## Adhesive selection *additional notes*

Substrate	Altro W39 two-part adhesive	Altro W157 acrylic adhesive	Altro W147 spray adhesive
Drywall minimum 1/2" thick	A and B	A, B, and D	A and B
Plywood minimum 3/8" thick	B and E	B and E	B and E
Metal	First choice	Not recommended	Alternative choice
Plaster	B and E	B and E	B and E
Smooth concrete	B	B	B
Painted	C	D	C
Ceramic	F	Not recommended	F

- (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).
- (F) Provided tiles are firmly bonded to the substrate and free from surface contamination, soap scum, grease etc.

- If more than one pallet of material is used, use material in sequence.
- Panels and all other materials should be moved into the acclimated worksite 72 hours prior to installation.
- Panels and all other materials must be checked for defects before installation. Do not install materials with visible defects.
- Check carefully to see that panels match in shade. If a shade match cannot be accomplished, do not install. Contact your Altro distributor.

## 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.

## 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 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 3/8" 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 1-Part Altrotite gasket trim

This trim piece is used to smoothly transition between panels in dry areas only. 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 1-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. 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 1-Part start and edge trim

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

## A861 Stainless steel corner protector

Install both left and right side panels to within 1/8" of outside corner. Apply 3/8" 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 captile strip (rigid) / C4 cap strip (pliable)

C8 and C4 cap strips are "h" shaped vinyl transitions used between flash covered sheet vinyl and Altro Puraguard panels. The Altro sheet flooring or equivalent should be covered up the wall and finished into the bottom half of the C8/C4 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 spray and a cloth 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 - 1/4" 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.

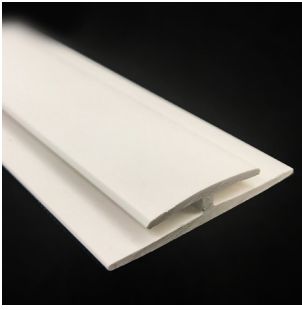
## Sealing Altro Puraguard panels

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

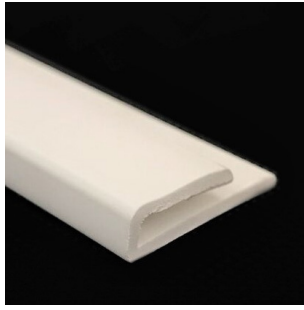
Clean up any wet acrylic adhesive and/or wet spray adhesive with soap and water. Polyurethane adhesive as well as excess sanitary sealant must be cleaned immediately with de-natured alcohol. After installation, remove protective plastic coating and wipe down with antistatic solution or wipes. Panels may be cleaned with Altroclean 44 cleaner and a microfiber towel.

## Accessories



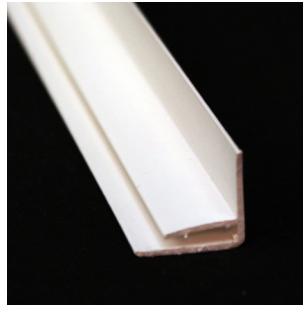
### 1-Part joint strip 10'

Salt + Sea Salt	G731 / 30
Barley	G731 / 300
Pepper	G731 / 301



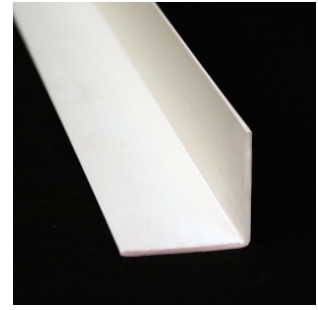
### 1-Part start + edge trim 10'

Salt + Sea Salt	G733 / 30
Barley	G733 / 30 / 300
Pepper	G733 / 30 / 301



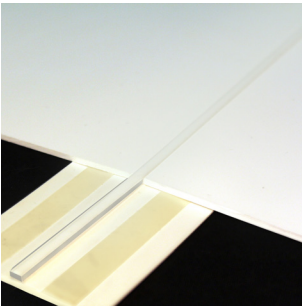
### Internal corner 10'

Salt + Sea Salt	A826 / 30
Barley	A826 / 30 / 300
Pepper	A826 / 30 / 301



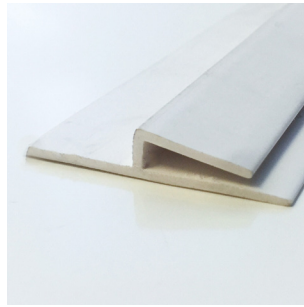
### External cover 10'

Salt + Sea Salt	A839 / 30
Barley	A839 / 30 / 300
Pepper	A839 / 30 / 301



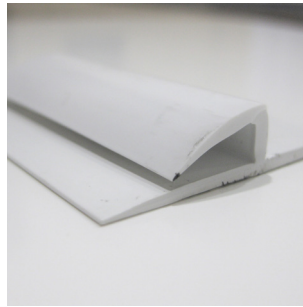
### 1-Part Altrotite gasket trim 10'

Salt + Sea Salt	A840 / 30
Barley	A840 / 300
Pepper	A840 / 301



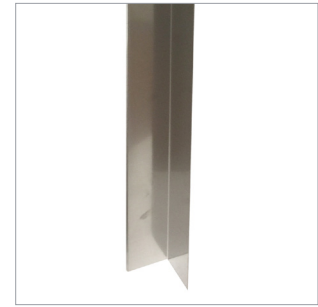
### C4 Cap strip - H shape 8'2''

Salt + Sea Salt	C4CAP
Barley	C4CAP / 300
Pepper	C4CAP / 301



### C8 Captile strip 8'2''

Salt + Sea Salt	C8
Barley	C8BAR
Pepper	C8PEP



### Stainless steel corner protector A861

*For dry areas only*

Altro Puraguard has achieved ICC ES certification.  
For more information scan QR code.

