

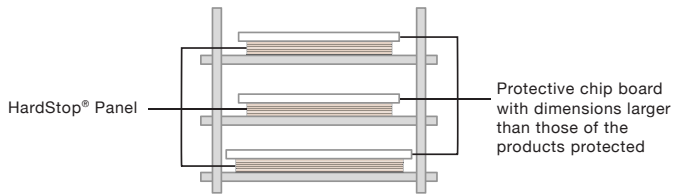
QUICK REFERENCE TIPS FOR HARDSTOP® DECORATIVE PROTECTION PANELS INSTALLATION USING TITEBOND® GREENCHOICE™ ADVANCED POLYMER PANEL ADHESIVE



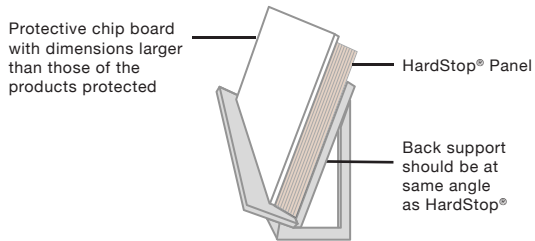
FOR GENERAL OVERVIEW ONLY. FABRICATOR MUST REFER TO HARDSTOP® PANELS TECHNICAL GUIDE FOR COMPLETE TECHNICAL INSTALLATION GUIDELINES

PREPARATION

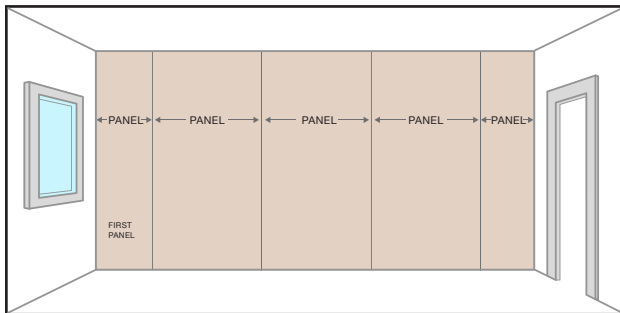
- A) Inspect panels before installation.
- B) Acclimate panels and adhesive in installation area at $70 \pm 5^\circ\text{F}$ (18-24°C) and 35-50% RH for minimum of 72 hours.
- C) Panels must be stored flat and off the ground.



Or

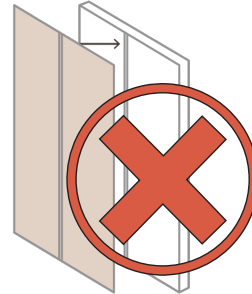


- D) Ensure drywall (standard white only) surface is flat and free of any loose debris/dust that may keep the adhesive from bonding properly. All painted/primed surfaces must be sanded to ensure the exposure of clean drywall.
- E) When planning panel layout, a balanced look is important and should be a goal of installation. Always start with a center line measurement to ensure a balanced installation.



- F) Do not position panel joints over substrate joints

Do NOT position HardStop® Panel joints directly over substrate joints.



CUTTING PANELS

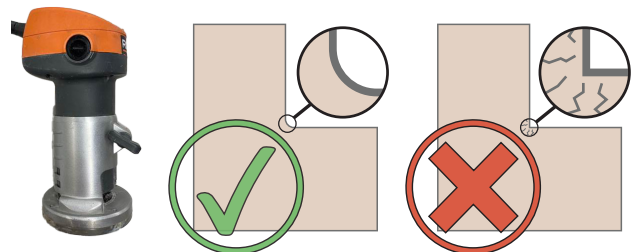
- A) Ensure blades and bits remain sharp to avoid chips that can lead to cracking (see blade and bit recommendation in technical guide).
- B) Fully support panel to maintain flat position while cutting. **DO NOT USE A JIGSAW FOR ANY CUTS.**



- 1) Outside cuts can be made with a track saw, circular saw, or router.



- 2) Inside corner cuts must be made with ½" diameter router bit. This will give a radiused corner. **CAUTION: Square corners will lead to cracking.**



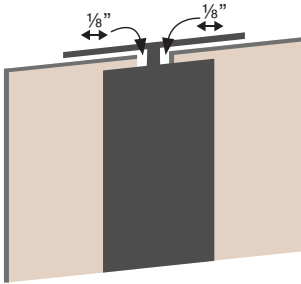
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INSTALL TRIM MOLDINGS (IF NEEDED)

- A) Install starting trim pieces (corner or level end cap).
- B) Apply adhesive to panel per instructions below.
- C) Insert panel into installed molding, leaving $\frac{1}{8}$ " gap between panel and inside edge of molding.



- D) Install divider bars between each panel as they are installed, leaving $\frac{1}{8}$ " gap between panel and inside edge of each molding.

CLEAN + APPLY TITEBOND® GREENCHOICE™ ADVANCED POLYMER PANEL ADHESIVE

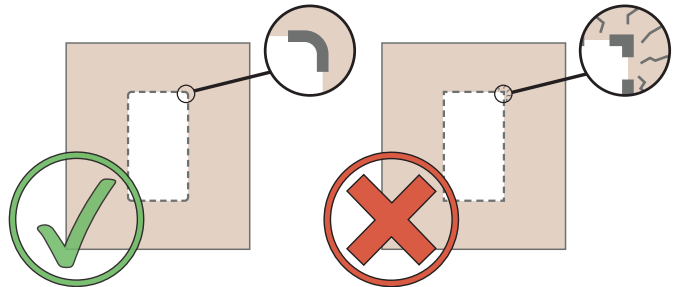
- A) Clean panel to remove dust, oil, and debris. Ensure panel is dry.
- B) Apply Titebond® GREENChoice™ Advanced Polymer Panel Adhesive to the back of the panel with a v-notch trowel ($\frac{3}{16}$ " wide x $\frac{1}{4}$ " deep x $\frac{11}{16}$ " or $\frac{1}{2}$ " space to space). Ensure full coverage.



APPLY PANEL TO DRYWALL (TWO PEOPLE NEEDED)

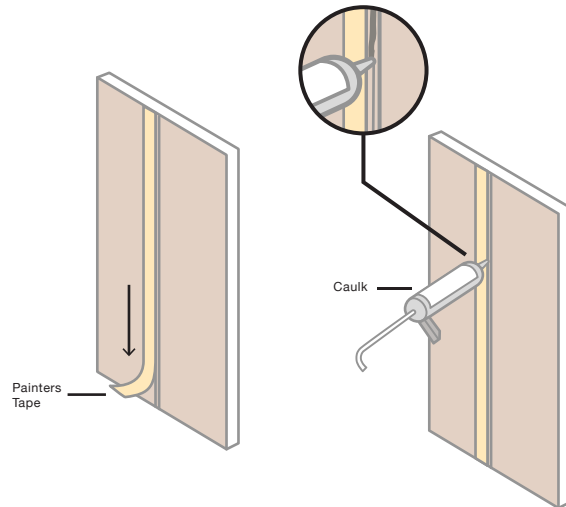
- A) **DO NOT** use nails with panels. **DO NOT** use screws except for the two temporary support screws with oversized holes (see below).
- B) Apply panel to wall (**within 20 minutes** of starting glue application per manufacturer's instructions). Use shims to support bottom of panel.
 - 1) Be sure to leave $\frac{1}{8}$ " gap between panels if not using trim.
 - 2) Ensure panel is applied evenly to wall without generating air pockets or stress.

- C) Roll entire panel with 9" wide J roller using medium pressure.
- D) When using cove base, drill 2 oversized holes in panel, ~9" from each side and ~1" from bottom. Insert drywall screws into stud to secure panel while adhesive cures. Shims can be removed once secured with screws.
- E) Clean panel immediately to remove excess adhesive.
- F) Wait 24 hours, then cut openings for electrical boxes, etc. using router with $\frac{1}{2}$ " diameter flush trim bit. This will give a radiused corner. **CAUTION: Square corners will lead to cracking.**



FILL PANEL SEAMS

- A) If no trim is used, fill gaps between panels with color-matched 100% silicone caulk.



FINISHING

- A) Remove support screws from bottom of panel after adhesive has cured for 24 hours.
- B) Fill screw holes with 100% silicone.
- C) Apply cove base.