



Design and Assembly Success Stories

Fast attachment of window flange protectors; easy removal

3M Product 3M™ Scotch-Weld™ Hot Melt Adhesive System – Self-contained Polygun™ Applicator with versatile low melt adhesive sticks. Adhesive bonds wood and a variety of plastics in seconds. Low melt formulation applied at 250°F-270°F (127°C-132°C).

Manufacturer Profile Canadian manufacturer of vinyl clad windows.

Application Attach wood blocks to vinyl window nailing flanges. Blocks provide stability to nail flanges and help prevent bending or other damage during shipment. Blocks are removed at the installation site. Typically, two blocks are attached per window.

Manufacturer Needs High productivity, secure bond, and easy removal.

Previous Methods Wood block was screwed to the flange. In some cases, block was friction-fitted to a rubber gasket inserted in a saw cut in the block.

Manufacturer Benefits 3M™ Scotch-Weld™ Hot Melt Adhesive and Polygun™ Applicator provide:

- Flow rate matched to production requirements. Low melt adhesive becomes fluid when heated in applicator and flows where needed with the squeeze of a trigger at up to four pounds per minute.
- Adhesive cools and hardens to reach bond strength in seconds without clamping. Keeps production moving.
- No time and work for drilling or screws.
- Installers simply tap off the block with a hammer without the time and effort of removing screws.

