

# Endura-Classic Craftsman Information

Endura Classic Craftsman Series Columns have a Limited Lifetime Warranty against rot, corrosion and moisture damage. Endura Classic Craftsman Series Columns are manufactured using expanded cellular PVC and can be trimmed, fastened and drilled with ordinary woodworking tools.

Endura Classic Craftsman Series Columns must be painted with two coats of acrylic latex paint applied according to the paint manufacturer's instructions. Columns that are installed in direct sunlight will perform best when painted with light colors to minimize thermal gain that can cause warping.

Endura Classic Craftsman Series Columns are manufactured using our E-Z Lock Miter Joint that aids in assembly, aligning the corners for a perfect fit and keeping the column square. If installing in cold temperatures (less than 50 degrees) pre-drilling is required before using fasteners. Cellular PVC becomes more brittle in cold temperatures and can be damaged if care is not taken during installation. If repair is required any two part epoxy or two part body filler will work well. Coarse thread galvanized sheetrock or decking screws work best to fasten cellular PVC. Pin nailing will also work well when using non-corrosive pin nails with larger heads. 100% waterproof polyurethane adhesive works well to assemble Endura Classic Craftsman Columns.

Endura Classic Craftsman Series Column shafts are 3/8" under nominal width and 1/2" under nominal length. Columns are shipped KD to aid in assembly around a structural post and to allow for field trimming. To provide a custom fit, Non-Tapered Plain Columns can be trimmed to any length. Non-Tapered Fluted and Raised Panel Columns can be trimmed up to 6". Tapered Plain Columns can be trimmed up to 12" and Tapered Raised Panel columns can be trimmed up to 6". Tapered Columns must be trimmed from the bottom only and will change the reveal on the base. The base can then be trimmed to match the reveal of the cap or left as is. The Tapered Column base detail is shipped loose and is applied after the column is trimmed and installed and the caps for Tapered Columns come assembled. Caps and bases for Non-Tapered columns are shipped loose and simply wrap around the column.

Endura Classic Craftsman Series Columns are not load bearing and require a load bearing structure in place before installation. If a wood post is used it must be pressure treated. Columns should be trimmed 1/4" shorter than the opening to allow for expansion.

ASTM DESIGNATION	TEST TITLE	Results
D256	IZOD Impact Resistance	0.246 ft. lb/in. Width
D570	Water Absorption (24 Hour exposure)	0.50%
D635	Rate of Burn	Failed to Ignite
D638	Tensile Strength	1,889 psi
	Modulus of Elasticity	107,000 psi
	Elongation	10.20%
D648	Heat Deflection Temperature under Load	153 F
D696	Coefficient of Linear Thermal Expansion	0.0000327 in/in F
D790	Flexural Strength	4019 psi
D792	Specific Gravity / Density	0.55 g/cc
D1761	Fastener Withdrawal - 2" Staples	69
	Fastener Withdrawal - 1" #10 Wood Screw	422
	Fastener Withdrawal - 2" Galvanized Nails 1	08
D5420	Impact Resistance (Drop Dart)	98
E84	Surface Burn Characteristics	20

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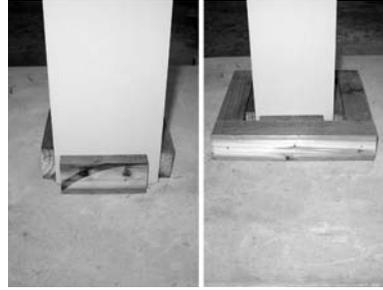
Endura Classic Craftsman Series Column shafts are 3/8" under nominal width and 1/2" under nominal length. Columns are shipped KD to aid in assembly around a structural post and to allow for field trimming. To provide a custom fit, Non-Tapered Plain Columns can be trimmed to any length. Non-Tapered Fluted and Raised Panel Columns can be trimmed up to 6". Tapered Plain Columns can be trimmed up to 12" and Tapered Raised Panel columns can be trimmed up to 6". Tapered Columns must be trimmed from the bottom only and will change the reveal on the base. The base can then be trimmed to match the reveal of the cap or left as is. The Tapered Column base detail is shipped loose and is applied after the column is trimmed and installed and the caps for Tapered Columns come assembled. Caps and bases for Non-Tapered columns are shipped loose and simply wrap around the column.

Endura Classic Craftsman Series Columns are not load bearing and require a load bearing structure in place before installation. If a wood post is used it must be pressure treated. Columns should be trimmed 1/4" shorter than the opening to allow for expansion.

# Endura-Classic Craftsman Non-Tapered Install Sheet



1) Measure overall opening from floor to beam or soffit (must have structural pressure-treated post or lally column for load support.)



2) Install blocking around load bearing post (use pressure treated lumber.) Final width of blocking must be same width as inside of column.



3) Install blocking around center and top of post to match step 2. (Center blocking is optional.) Blocking may be attached to deck/soffit instead of post if necessary.



4) Trim shaft pieces at least  $\frac{1}{4}$ " shorter than opening height (from step 1). Trim ONLY from bottom - top end is marked.



5) If you are going to use screws, pre-drill/countersink all panels. See joint diagram on next page to determine which edge to pre-drill.



6) Lay 3 panels flat and apply adhesive to center joints. (Polyurethane glue is recommended. Follow manufacturers instructions.)



7) Assemble three panels, using E-Z lock joints.



8) If using screws, assemble three panels together using coarse thread galvanized screws (deck screws.)



9) Or if you are not using screws, finish nail three panels together.



10) Place the partially assembled (3 panels) column around post and blocking.



11) Apply adhesive to final panel and attach to shaft using E-Z Lock joints.



12) Screw or nail final panel in place.

# Endura-Classic Craftsman Non-Tapered Install Sheet



13) Screw or nail column to blocking **ONLY ON THE BOTTOM**. Do not attach at center or top (to allow for expansion.)



14) Apply adhesive to mitered ends of base moulding (9¼" tall) and assemble around bottom of column shaft.



15) Fasten joints on base with screws or nails.



16) The TOP of the shaft should NOT be fastened to the blocking, and there should be at least ¼" gap to allow for expansion (see step 4.)



17) There are TWO methods of attaching the cap. First, apply adhesive to mitered ends of cap moulding (7¼" tall) and assemble around shaft. Screw or nail joints.



18) Option 1: attach cap to soffit with construction adhesive and toenail to soffit. **DO NOT ATTACH** cap to column shaft if the cap is flush with soffit (allows expansion.)\*



19) Option 2: Leave ¼" expansion room above cap, and pin-nail the cap to the column. Be sure pin-nails **DO NOT** reach the blocking inside!\*

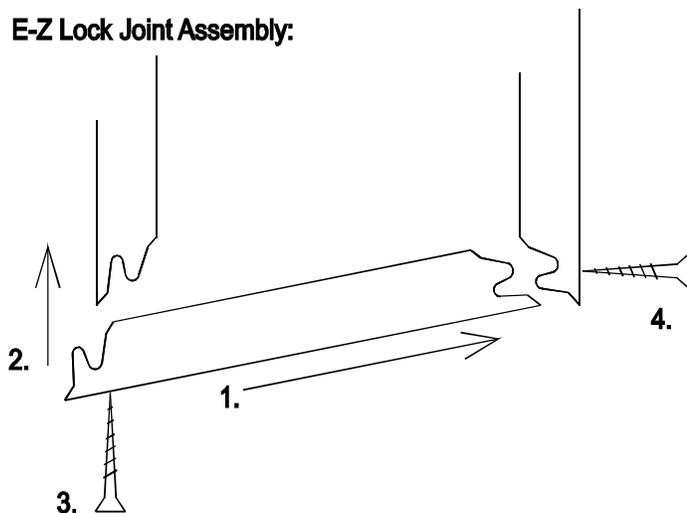


20) Caulk edges of base, cap, and nail or screw holes.



21) Clean surface of column with cleaner recommended by the paint manufacturer. Paint with 2 coats of acrylic latex paint.

## E-Z Lock Joint Assembly:



Please note the correct assembly of the E-Z Lock joint shown at the left. The screws or nails **MUST** be installed only in the edges shown (3 and 4). Installing on the other edges may result in open seams. (Pre-drill if using screws.)

- 1) Glue both joint edges; slide 1st joint together
- 2) Push 2nd joint closed
- 3) Nail or screw this joint first
- 4) Nail or screw this joint second.

### Notes:

Panels are marked "TOP" - trim from the bottom only. Cap and base pieces are also marked as "CAP" or "BASE". Only use non-corrosive fasteners - galvanized, stainless steel, etc.

Always follow glue and paint manufacturer's instructions.

\*Column must not be allowed to collect water, debris, etc. If the top of the column extends beyond the soffit/beam, the cap must be flashed with lead, copper, aluminum, etc. to prevent accumulation.

# Endura-Classic Craftsman Tapered Install Sheet



1) Measure overall opening from floor to beam or soffit (must have structural pressure-treated post or lally column for load support.)



2) Trim shaft pieces to 2 1/4" shorter than opening - 2" for cap/base, 1/4" for expansion (1/4" if not using cap and base - each part is 1" thick.) Always trim from bottom ONLY - top is marked.



3) If you are going to use screws, pre-drill/countersink all panels. See joint diagram on next page to determine which edge to pre-drill.



4) Lay 3 panels flat and apply adhesive to center joints. (Polyurethane glue is recommended. Follow manufacturer's instructions.)



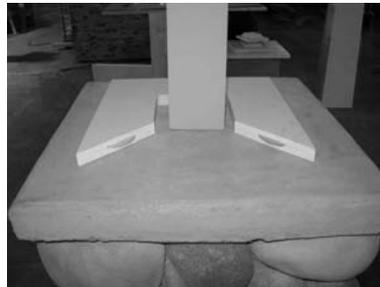
5) Assemble three panels, using E-Z lock joints.



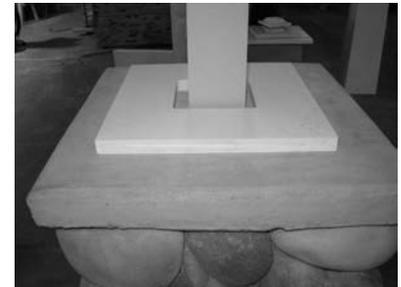
6) If you are not using screws, finish nail three panels together.



7) If using screws, assemble three panels together using coarse thread galvanized screws (deck screws)



8) Slide 3/4 base around post



9) Glue 1/4 piece of base using biscuits (supplied). Center and attach to floor/pedestal with appropriate fasteners.



10) Slide assembled 3-sided column around support (on top of base)



11) Slide 3/4 cap into place on top of column panels.\*



12) Raise cap to beam/soffit, center, and attach. There should be 1/4" between column and cap platform.



13) Apply adhesive to final panel



14) Assemble final panel to column using E-Z lock joint



15) Screw or nail final panel to secure



16) Glue ¼ cap piece and slide into place. Pin nail cap moulding to top of column.\*



17) Using miter saw, cut base trim pieces to fit around bottom of column



18) Use column shaft to mark cut lines for miters (cut long and work your way shorter for best results)



19) Apply adhesive to moulding and pin-nail into place.

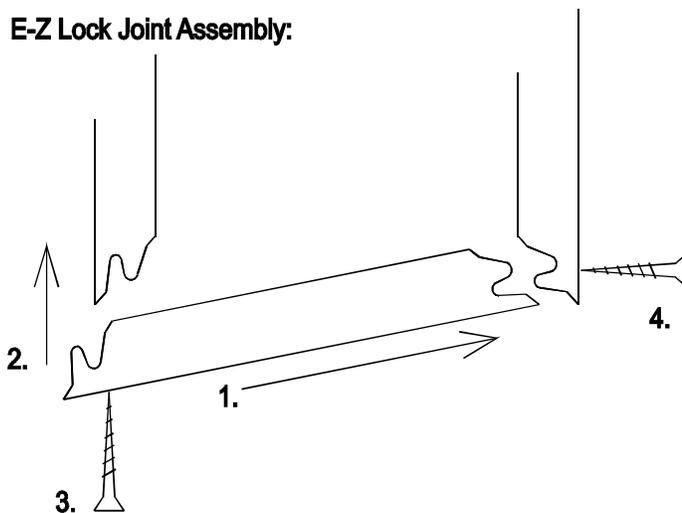


20) Caulk using latex caulking compound to fill any gaps & nail or screw holes.



21) Clean surface of column with cleaner recommended by the paint manufacturer. Paint with 2 coats of acrylic latex paint.

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