

# Endura-Craft™ Columns | Product Information

## OVERVIEW

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

*Endura-Craft™* 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-Craft™* 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-Craft™* Columns.

*Endura-Craft™* Columns 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-Craft™* 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	108
D5420	Impact Resistance (Drop Dart)	98
E84	Surface Burn Characteristics	20