



Ten Most Frequently Asked Questions



1. How do you ground the pole?

There are several ways to ground a Powertrusion pole. Some utilities have opted to run a ground wire inside the pole and thus eliminate the need for external attachments to the pole and the possibility of theft of the ground wire. Others have attached to the pole with ground wire clips and self-tapping screws.

2. How do you bury the pole?

The Powertrusion pole is buried to the same specifications as other poles, 10% of the pole height plus 2 feet.

3. How do you climb the pole?

In order to climb a composite pole, either a permanently mounted step is used or a detachable step that is used only when going up or down the pole.

4. Do we pre-drill the pole at the factory?

Yes, we can pre-drill per each customer's requirements for steps and mounting hardware.

5. Can you field drill holes in the pole?

Unlike steel or concrete poles, the Powertrusion pole is easily drilled in the field when situations arise for hardware or equipment to be added. We suggest a high-speed carbide tip drill bit be used, but if that is not available a standard auger-bit can be used.

6. Do you have to use special hardware to attach equipment to the pole?

No, standard hardware commonly used by utilities is used on our pole. The only exception is lag screws, which do not work on hollow poles. Through bolts are used in place of lag screws.

7. What does the sun do to the pole?

Under normal conditions the Powertrusion pole should have a life expectancy of 50+ years. The POWERTRUSION pole uses three levels of protection against ultra-violet light to enhance the service life of the structure. The protective system includes a multitude of UV inhibitor materials co-mingled to the base resin, a resin-rich non-structural surface veil, and a UV stable pigment additive to provide color. The pultrusion process efficiently provides a resin-rich surface on the product loaded with the UV inhibitors. In addition, the exterior surface of the pole is enveloped with a synthetic corrosive resistant veil material to enhance the resin rich pole surface. By doing this, the actual structural fibers are buried beneath a layer of non-structural resin. Because the resin itself is loaded with a UV inhibitor, the load-carrying fiberglass is afforded significant protection.

8. How are the top and the bottom of the pole sealed?

A top cap and bottom plug are included with each Powertrusion pole. The cap and the bottom plug are factory secured to the pole with self-tapping screws.

9. Are various colors available?

What color do you need? Tell us what you need and we can provide poles with your specified color.

10. How much does the Powertrusion pole weigh?

A 40' class 4 Powertrusion pole weighs only 368 lbs. compared to a wood pole, which weigh 900-1000 lbs. depending on species. Powertrusion poles are much easier to carry into back-lots and limited access areas saving multiple man-hours.