



Produits Forestiers

TRANS CANADA

Forest Products

UTILITY POLES

We offer a variety of public services poles, in a wide range of wood species and treatments, that meet all current standards. Ask about our new CCA-PA treated utility poles.

CCA-PA POLES

Adding the PA additive to CCA provides poles with benefits comparable to PCP such as preventing hardening, while retaining the advantages of a water-borne treatment, and this over the service life of the pole. A pole treated with CCA-PA offers:

- Good climbability over the service life of the pole
- Significant increase in the service life of the pole to more than 50 years.
- CCA-PA does not affect wood's natural low conductivity nor significantly affect its strength
- Fixation of the preservative to the wood fibre prevents it from migrating to the bottom of the pole, or from leaching out
- CCA-PA poles are non-oily, non-staining, and have no fumes
- Poles can be reused without re-treatment
- Reduced environmental impact

DEVELOPING A TREATMENT ESPECIALLY FOR WOODEN POLES

From the end of the 1930s to the beginning of the 80s, pentachlorophenol (PCP) was widely used in the preservative treatment of wooden poles and railway ties. In 1981, Agriculture Canada raised concerns regarding the use of PCP and restricted it to the preservation of wood for outdoor use.

Although the railway tie market adapted by using treatments based on creosote-oil solutions, PCP continued to provide benefits for utility poles. However, due to health and safety concerns, public utilities were still trying to reduce the use of PCP-treated poles. In fact, regulators and industry have decided that PCP-treated poles will no longer be produced after 2021.

Public utilities have been progressively replacing PCP-treated poles with poles treated with CCA (chromated copper arsenate). Over the last decades, the popularity of CCA-treated poles has increased significantly in North America; they are now widely accepted.

Unfortunately, the CCA treatment tends to harden the wood over time, making it more difficult for the linesmen to drill

and climb. This is one of the reasons why PCP usage was maintained for some applications.

Testing was undertaken to find a solution to the hardening of poles treated with CCA, including the addition of polyethylene glycol (PEG) to the preservative solution. This additive solved the hardening problem – for a while. However, extensive laboratory and field-testing has shown the effect of PEG on pole hardness to last no more than 3 years. The long-term results were less than satisfactory, as the effect waned and the poles became too hard to safely climb.

In 1998 an R&D partnership initiated by Hydro-Québec with Lonza Wood Protection, developed a polymer-based additive (PA), which, when injected into CCA-treated wood poles, offers the benefits of a CCA-treated pole, as well as the climbability benefits of poles treated with oil-borne wood preservatives. The result is the CCA-PA treated utility pole, approved by Hydro-Québec, Bell Canada and CSA (O80.207-05), and already in widespread use.



USED POLES

Trans Canada Forest Products offers used poles from previous installations where poles were produced as per CSA O15 and treated as per CSA O80.

Recovered poles are rigorously graded based on a variety of characteristics. They are perfect for temporary installations.

Quality A

- 25% or less used pole
- Fresh treatment
- Possibly drilled crossarm hole and brace holes at the top of the pole
- Little or no distress on the pole

Quality B

- 25% or more used pole with scuff marks
- Light or very light visibility of treatment
- Possibility of one or more crossarm hole at the top of the pole
- Visible distressed markings on the pole

Stocks vary through the year, so contact us for available sizes and quantities.

WOOD CROSSARMS

Trans Canada Forest Products offers high-quality, select Douglas Fir distribution crossarms produced in accordance with NLGA specification paragraph 190-B. Dressed to (4) sides in accordance with CSA O116 and specific dimensions to match a variety of specifications. Pressure treated with CCA as per CSA O80.2

We stock one standard size and two standard lengths but can match and produce custom sizes based on your request.



STANDARD DIMENSIONS

- 3 3/4" x 4 3/4" x 8' (Drilled and undrilled)
- 3 3/4" x 4 3/4" x 10' (Undrilled)

Contact us for more information!

pftranscan.com