

POLE⁺

NEW RANGE OF POLES WITH COPPER OIL BASED TREATMENT

Wooden pole:

- Pine wood poles fulfil the technical requirements described in documents EN14299, REN blad 2504 ja REN blad 8076.

Copper Oil:

- Technical requirements are described in Arxada's [Treated Timber User Guide](#)
- NTR certificate can be found on [Arxada website](#).

Product registration number:

- NO-2021-0207, Norwegian Environment Agency

Impregnation classes:

- Industrial high pressure treatment according to impregnation class UC4.
- Pine pole EN335 Hazard Class / Use Class 4 (UC4 ground contact): minimum 85 kg/m³ sapwood impregnation.
- Quality control according to NTR.
- The wood is impregnated with a preservative containing DDA Carbonate (CAS no.: 894406-76-9), Penflufen (CAS no.: 494793-67-8), Copper hydroxide (CAS no.: 20427-59-2)

Application:

- The product can be used for electricity poles, telecommunications masts, laminated wood, timber and fence posts in contact with the ground also by the general public.

Physical and chemical data:

- **Colour:** Green
- **Odour:** Mild odour that decreases over time
- **Strength:** As for pine
- **Metal fasteners:** Galvanized metal fasteners are advised. It is important that the orderer/end user is aware that there are many thicknesses of galvanized coating available, and the thicker the galvanized coating, the longer the expected lifetime. The level of galvanization must coincide with the end use (eg BS EN 1461). Use of a nail gun can break the galvanization coating.
- **Electrical conductivity:** Similar to or lower than for pine
- **Durability:** Service life in use 40+ years

Fabrication:

- Climbing as per creosoted pole.
- Normal tools can be used. Fabrication should happen before impregnation. Cut ends and drill holes should be protected with a wood preservative.

Maintenance:

- Pole+ impregnated wood cannot be painted or the surface treated with stains.

Health, environment and safety:

- No risk is identified for to people working with Pole+ treated wood or for the general public or for the environment. However, impregnated wood should not be in touch food or drink products.

Personal protective equipment:

Direct skin contact with Pole+ should be avoided. It is important to use right kind of work clothes and gloves.

- Outerwear should be oil, water and dirt resistant
- Work gloves should be used.
- If wood is damp, use butyl, neoprene or fluoroelastomer gum gloves.
- Goggles and dust mask should be used when fabricating wood.
- After handling or working with treated timber, all exposed skin should be washed before commencing other activities.

Effect on the environment:

- A wooden pole is a renewable material.
- A wooden poles are safe and nature friendly products and have a minimal effect on the environment during use.
- Further information on environmental effects of wooden poles can be found on Sustainability report: <https://www.scanpole.com/en/scanpole-2/sustainability/>

Reuse and recycling:

- Pole+ can be reused. Poles, which cannot be reused, and processing waste must be disposed of safely according to local regulations.

Product regulations:

Norwegian Environment Agency: <https://bit.ly/3t5i53F>

