



## *Pine Tree Concealed Solutions*

Valmont Larson offers a wide variety of Pine Trees as part of our natural camouflaged product line. As with most of our concealment structures, the ability to adapt is part of what we do best. Jurisdictional design challenges can be met with a simple, reliable, monopole-based product. Our RF-friendly materials are tested in a laboratory and in the field.

- Valmont Larson offers multiple branch canopy options to aesthetically simulate natural pine trees in different geographical locations.
- Valmont Larson pine foliage is UV-resistant, designed to stand up to the rigors of prolonged outdoor exposure.
- Pine foliage is available in different colors and diameters to emulate different trees.
- Valmont Larson produces Ultraflex® bark, a specially formulated exterior grade epoxy composite to simulate tree bark on monotree camouflaged towers.
- Trees can be finished with realistic bark, brown paint, or camouflage paint.

### *Types of Concealment*

#### ■ PINE TREE



**Contact a Valmont Representative today for more information at  
520.294.3900 • [valmontstructures.com/larson](http://valmontstructures.com/larson)**

# LARSON CONCEALMENT SOLUTIONS FOR ANY ENVIRONMENT

## Pine Tree

- Larson Ultraflex bark is a specially formulated exterior grade epoxy composite to simulate tree bark on monotree camouflaged towers. Our bark is:
  - Unparalleled in strength, flexibility, and durability by means of extensive laboratory testing, including EMMAQUA-NTW method, environmental freeze/thaw cycle testing, flexural elongation, and tensile strength testing.
  - Tested in temperatures ranging from -50°F to 180°F.
  - Painted with multiple colors and washes to create a natural appearance.
  - A proprietary blend that is applied wet, directly to the pole and then hand textured and will not peel or delaminate like sheet bark.
  - Ensured to have a strong bond to between bark and galvanized pole because poles are etched prior to application.
- RF-friendly Larson Antenna Socks are vital to camouflage antennas within the canopy of the tree & the addition of Larson Antenna Branches can create complete concealment.
- Microwave & RRU Socks & Branches are also available to help all equipment blend into the canopy.
- We offer engineering and design expertise as well as a broad understanding of telecom requirements. Design assistance in photo simulations and 3-D renderings.
- RF-friendly materials yield extremely low insertion and return loss properties.



Comparison of foliage colors and diameters.