

Treated Marine Piling



This test of marine piling was originally set up by the Pacific Biological Station, Nanaimo, BC. It was taken over by Forintek and inspected by Foreshore Technologies, funded by Public Works Canada. CCA is not normally recommended for Douglas fir piling. The pile illustrated here was from a separate batch of poorly treated material and is showing severe attack by shipworm.

Commodity: Marine Piling

Test method: Full scale

Test Site: Crofton, BC

Date of installation: 1968

Preservative: CCA, type A*

Treatment: Pressure treatment to CSA O80.18

Wood Species: Douglas fir

Condition of Untreated Samples: 100% failed after 1 yr

Condition of Treated Samples: 100% serviceable after 22.5 yrs

Projected average service life of properly treated product in a similar climate: Over 30 years

* An older formulation of CCA, not as effective as modern CCA (type C).