Treated vs. Untreated Shakes

In this photo, Western Red Cedar shake roof panels are being inspected for deterioration. This site is maintained within the Malcolm Knapp Research Forest in Collaboration with the University of British Columbia Faculty of Forestry. CCA treatment not only stops decay but also reduces UV erosion by a factor of ten.

**Commodity:** Shakes  
**Test method:** 1.2 x 1.2m roof panels  
**Test site:** Haney, BC  
**Date of installation:** 1973  
**Preservative:** CCA, type B*  
**Treatment:** Pressure treatment to CSA O80.35  
**Wood Species:** Western red cedar  
**Condition of Untreated Samples:** Roof failed after 20 yrs  
**Condition of Treated Samples:** Roof 100% serviceable after 30 yrs  
**Projected average service life of properly treated product in a similar climate:** Over 50 years

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