



# FACT SHEET

**ACQ is the most widely used non-arsenic, non-chromium, water-based wood preservative in the world.**

## Formulation Summary

- Alkaline Copper Quaternary formulations
- Copper primary protection
- Quat-supplemental protection against copper tolerant fungi and termites
- No EPA listed carcinogens

## Retention Levels

- Equivalent performance to CCA in:

Above Ground	0.25 pcf
Ground Contact	0.40 pcf
Fresh Water Immersion	0.40 pcf
Marine Splash Zone	0.40 pcf
Permanent Wood Foundation	0.60 pcf

- Available with water repellent

	ACQ	WR
Structural Lumber	0.25 and 0.40 pcf	0.25 pcf
Decking Standard	0.15 pcf	0.25 pcf

## Fastener Performance

- Same fasteners (hot dipped/stainless) as for CCA and building code recommendations for treated wood.
- Excellent performance of recommended fastener systems in the US over the past seven years.
- Accelerated Industry Standard tests show equivalent performance to CCA.

## Fixation

- Fixation of copper and quat is highly effective, resulting in long-term performance equivalent to that achieved with CCA.

## Treatment Plant Performance

- Cycle times equal to or better than CCA.
- Similar penetration in SYP and Red Pine.
- Enhanced penetration in Douglas Fir, W. Hemlock and Ponderosa Pine.
- True solution, no agitation required.
- No temperature controls required.
- ACQ is formulated to minimize plant corrosion. Corrosion rates are lower than 0.15 mils per year.

## Environmental Profile

- Independent scientific studies have reported no adverse effects from the use of ACQ treated wood in sensitive aquatic environments.
- Depletion levels for ACQ components from treated wood are equivalent to losses of CCA components from wood in service.
- Alkaline copper systems similar to ACQ are EPA approved for use in reservoirs, fish farms and agricultural canals for algae control.
- Winner, 2002 EPA Presidential Green Chemistry Award.

## Approvals and Standards

*Approved and standardized by industry standards and building codes.*

- American Wood-Preservers' Association (AWPA)
- ICBO ES – (International Conference of Building Officials) including Formosan Termite Zones
- BOCA (US Building Code)
- CSA (Canadian Standards Association)
- AASHTO
- NES (National Evaluation Service)



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