



## Protection with less chemical

Because of its effectiveness, the retention levels required of CA-C are quite low. In preserved wood, chemical retention is defined as the amount of preservative retained in the wood after treatment. It is measured in pounds of preservative per cubic foot of wood, or pcf. For different preservatives, different retention levels may be necessary for particular applications. Preservatives do not have the same degree of effectiveness.

As can be seen in the comparison below, derived from AWPA standards, it takes far less CA-C to protect wood than ACQ-D—less than one-fourth the amount for above ground use and just slightly more than one-third for ground contact. This means less chemical exists in the wood.

|              | <b>Use Category 3B<br/>ABOVE GROUND<br/>Exposed</b> | <b>Use Category 4A<br/>GROUND CONTACT<br/>General Use</b> |
|--------------|---|---|
| <b>ACQ-D</b> | 0.25 pcf  | 0.40 pcf  |
| <b>CA-C</b>  | 0.06 pcf  | 0.15 pcf  |