



MANUFACTURED HOME BULLETIN

FASTENERS & CONNECTIONS IN PRESSURE-TREATED WOOD

The following article was excerpted from the “Oregon Manufactured Home Update” publication from the State of Oregon Building Codes Division. You may view these and other informational material, including the states archived Manufactured Home Updates via a link on the City of Lebanon’s Building Division web site at www.ci.lebanon.or.us.

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Kurt Pugh

Recently, there was an article written on the new type of pressure-treated wood now in use. Since both field and plant people read this material, I thought I would give a little update. For the longest time, the type of pressure-treated wood used was designated CCA for the type of chemicals used to treat it. This type is still available, just not for residential use. The wood now used is marked ACQ. It is safer for the environment and human exposure. The only drawback is that this product is more corrosive and the requirement for fastening is more stringent. One manufacture does not even set the wood on the metal frame, but puts paper between them.

There are only two types of fasteners that can be used. One is stainless that can be expensive. The other is galvanized staple, nail, screw or lag. These need to meet G185. The G stands for Galvanization and the 185 stands for the thickness of the Galvanization.

So when homes are assembled in the plant and in the field, there are several areas that we should look at. Most plants extend the treated material into the main floor area at porches and recessed entries. Any fastener that penetrates the treated wood needs to meet the aforementioned requirements. Areas that could be affected include:

- Any lag installation
- Siding (we ship loose, for field installation)
- Bottom board
- Flashings (metal or EPDM)
- Any porch deck material
- Any strapping
- Tie downs
- Interior and exterior wall installation
- Interior deck material

This also applies to metal pier stands that may rest directly on the wood footing.

Hopefully, this covers most of the applications. If you are securing into PT wood, it needs stainless or G185. If you have any other special applications or questions, please give us a call.

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