

Technical Bulletin

PRESSURE TREATED LUMBER & GALVALUME[®] STEEL

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General Information

Unified Steel[™] stone coated roof products and accessories are manufactured from *Galvalume[®] steel and certain precautions need to be followed when allowing the Galvalume[®] steel panel to come in contact with pressure treated lumber.

Contact with pressure treated wood using copper oxide treatment or any wet lumber is not recommended for bare or pre-painted Galvalume[®] steel. Treated lumber contains chemicals that protect the wood when buried in soils. Direct contact between wet treated lumber and Galvalume[®] steel creates a corrosion cell and the corrosive chemicals leaching out of the wood accelerates this process. All rooftop ancillaries, such as air conditioners, should be mounted with factory-made mounting accessories compatible with Galvalume[®] steel (roof curbs, for example). Some HVAC contractors commonly mount rooftop air conditioners on pressure treated landscape ties. Direct contact of these ties with the Galvalume[®] roof causes corrosion of the aluminum-zinc coating. Drainage from pressure treated lumber onto Galvalume[®] steel should also be avoided.

SOURCE: www.SteelRoofing.com FAQ's

NOTE: Pressure Treated 'Blue-Wood' using "BORATE" - OK with Galvalume[®] Steel

The use of pressure treated 'Blue-Wood' that is referenced as 'Borate Treated' lumber is acceptable for use with stone coated steel panels and accessories.

Borate treated lumber is designed to be used above-grade (not underground) in weather protected environments and is easily recognized by its industry standard 'Blue-Tint' color.

Lumber that has been treated with copper (CCA chromium copper arsenate, ACQ alkaline copper quaternary and Copper Azoles) cannot be used due to their corrosive reaction to the Aluminum-Zinc composition of Galvalume[®] steel.

NOTE: If copper treated lumber is the only available option for area conditions, a physical barrier between the lumber and the Galvalume[®] panel must be installed, a traditional peel and stick membrane is typically sufficient. Fasteners that are compatible with both the copper in the lumber and the Galvalume[®] portion of the panel must also be used for both the lumber attachment and the panel attachment to the lumber.

*Galvalume[®] is a registered trademark of BIEC International, Inc.

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