



SMART Brief

T E C H N I C A L B U L L E T I N

DATE: Thursday February 22nd, 2008 **No:** SB-082406 –**Rev-22208**
TO: Contractors & Distributors **Page** 1 of 1
FROM: Metro Technical Services Division
SUBJECT: **Pressure Treated Lumber & GLVALUME® Steel**

General Information

Metro 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.

Pressure-treated wood using copper oxide treatment used in contact with bare or pre-painted Galvalume® sheet? Contact with pressure-treated wood or, for that matter, any wet lumber is not recommended for either bare or pre-painted Galvalume® sheet. Treated lumber contains chemicals that protect the wood when buried in soils. Direct contact between wet treated lumber and Galvalume® sheet creates a corrosion cell and the corrosive chemicals leaching out of from the wood accelerates this process. All rooftop ancillaries, such as air conditioners, should be mounted with factory-made mounting accessories compatible with Galvalume® sheet (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. Even drainage from pressure treated lumber onto Galvalume® sheet should be avoided.

-Source www.steelroofing.com FAQ's

SB-082406 –**Rev-22208**

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 Metro 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. It has become quite common in the construction industry in the S.E. where traditional ACQ (Copper Oxide, Green tint color) treated lumber cannot be used due to its corrosive reaction to the Aluminum-Zinc composition of Galvalume® steel and aluminum.

Metro Roof Products

3093 'A' Industry Street
Oceanside CA 92054
Tel: (760) 435-9842
Fax: (760) 435-1162

www.smartroofs.com

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