

# Copper Clad

Windows & Doors



## Benefits of Copper

- 1 Time Proven Longevity. Copper has been used in architecture for thousands of years.
- 2 Minimum Exterior Maintenance. The Statue of Liberty in the harsh atmosphere of New York Harbor is an example of Copper used in exterior applications.
- 3 Copper has Natural Beauty. It will patina with age and adjusts to the local environment.
- 4 Copper is a natural fungicide used in most wood preservatives and helps preserve the wood substrate.
- 5 Copper Enhances the value of property and adds to perceived value and resale .
6. Although it is impossible to estimate how long a component will last in any particular building and location, we use materials and methods that are found in windows over one hundred years old.



Dark Bronze Mahogany Windows Selected to Compliment Local Stone and Timber  
Mountain Lodge, Bozeman, Montana



Dark Bronze Mahogany Windows  
Windows Built to Last for One Hundred  
Years.

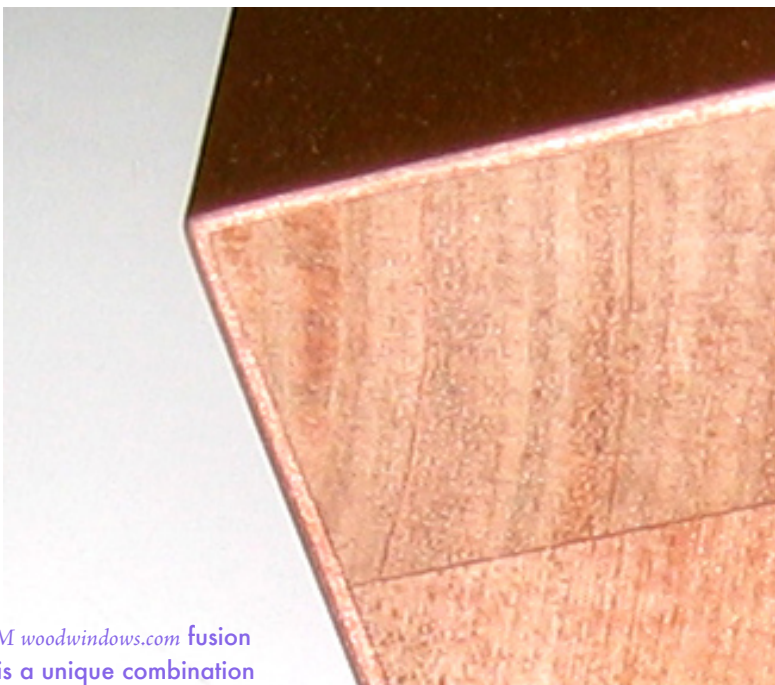
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CWM woodwindows.com 24 North Bryn Mawr Ave, Bryn Mawr, PA 19010



Bronze Clad Muntins on French Doors. Six Months of Exterior Weathering is Forming the Natural Patina.



The CWM [woodwindows.com](http://woodwindows.com) fusion process is a unique combination of materials that gives a superior long lasting exterior finish.

## Q & A's

What are the various ways to metal clad a wood window?

- 1. Roll Formed Cladding.**  
The wood components can be wrapped with a rolled formed sheet. This requires the use of special dies and the formed piece is slipped over the wood. This is the most common method and it is used for aluminum, steel and copper. The disadvantage to this method is there is no good way to vent the moisture build-up that occurs between the wood and metal. Over time this affects both the wood and the metal and will result in a failure.
- 2. Extruded Cladding.**  
This is superior to roll forming as the extruded profiles leave room for proper venting between the wood and the metal. However it is very expensive and leaves very little flexibility of design.
- 3. CWM Fusion.**  
This unique proprietary method is the most flexible and cost effective method. It is a progressive build up from the wood surface through to the metal exterior. There is no moisture condensation and great durability, design flexibility, cost and longevity. It is also paintable and can be fixed in the field. All components are time tested and make a truly outstanding finish product.

No exterior maintenance.

Never clean the exterior surface with any abrasive. Do not use any solvents or acetone. Doing so will damage the surface and void any warranty. Should cleaning be necessary use a mild detergent and rinse with cold water. Never field apply any additional coating or treatment. It is unnecessary and may damage the surface and void any warranty.

A Light Bronze and Brass Alloy Finish on a Single Hung Mahogany Window.

A Dark Bronze Exterior Section of a Mahogany Window. Custom Curves Allow for Great Flexibility in Design and Execution. A Microscopic view of the Bond Between Metal and Wood.

