



## **CopperPlus FAQ**

### **1. What is the specification for CopperPlus?**

CopperPlus is manufactured in conformance to ASTM B506-09. A copy of this document can be purchased on ASTM's website at: <http://www.astm.org/Standards/B506.htm>

### **2. How is CopperPlus made?**

CopperPlus is made from 2 solid coils of Architectural Copper strip that are roll bonded at 2,000,000 p.s.i. to both sides of a coil of Stainless Steel Strip. CopperPlus is like an Oreo cookie, the Copper coils are the Oreo cookies and the Stainless Steel is the icing in the middle.

### **3. Will CopperPlus patina the same as Copper?**

Yes. CopperPlus will patina identical to Architectural Copper, because CopperPlus is made from 2 coils of solid Copper bonded to a Stainless Steel center core.

### **4. Will the Copper separate from the Stainless Steel center core?**

No. The Copper cannot be separated from the Stainless Steel. The heat produced by the 2,000,000 p.s.i. pressure from roll bonding CopperPlus welds the Copper to the Stainless. This identical technology, over 100 years old, is employed to make hundreds of products including the U.S. Quarter & Dime; thermostats & electrical overload protectors used as the fail safe for electric appliances & motors to protect us all from injury.

### **5. Does CopperPlus oil can the same as Architectural Copper?**

No. CopperPlus thermal expansion properties are the same as Stainless Steel; which is 1/3 less than Architectural Copper.

### **6. Does CopperPlus solder like Architectural Copper?**

Yes. CopperPlus can be easier to solder than Architectural Copper. Less gas is required, because CopperPlus is soldered at a lower temperature. The same solder and flux are used for soldering CopperPlus as are used for soldering Copper.

### **7. Is there a warranty available for CopperPlus?**

Yes. The CopperPlus Warranty is 25 years and 6 months. The CopperPlus warranty is not prorated. CopperPlus may be installed within 1,700 feet of the sea coast.

### **8. Formability. Are special hand tools and roll forming equipment required for CopperPlus?**

No. CopperPlus can be roll formed and fabricated with the same well maintained equipment that is used to form Architectural Copper. The CopperPlus warranty will permit roll forming to 1/2 the CopperPlus thickness up to .030".

### **9. What products are producible with CopperPlus?**

Every product that can be fabricated from Architectural Copper can be made stronger from CopperPlus.

### **10. Is CopperPlus stronger than Architectural Copper?**

Yes. CopperPlus is stronger than galvanized Steel at the same gauge. The superior strength of CopperPlus permits its use for applications where Architectural Copper cannot meet building code requirements for high velocity wind lift. CopperPlus:

- Exceeds Miami-Dade Code high velocity wind lift requirements
- Has a lower coefficient of expansion (substantially lower incident of oil canning)
- Exceeds UL 2218 Class 4 hail test requirements
- Has a higher resistance to erosion/corrosion
- Weighs less than Copper providing a reduced load weight
- Has 40+ years of field performance