FAQ About Cool-Amp Silver Plating Powder:

1. **What is the maximum current and voltage that Cool-Amp is recommended for use with?**
   There is no maximum voltage limit.

2. **Will the silver plating peel off after being subjected to high currents and voltages?**
   The Cool-Amp silver plating will not flake or peel off. It will scratch off, this is why it is used for bolted parts.

3. **How thick is the applied silver coat? Can it be varied with multiple applications?**
   The thickness of the applied Cool-Amp is 40 – 70 micro-inches. There is no significant variation in thickness with the number of applications.

4. **Will it work on aluminum?**
   Cool-Amp has not been tested on aluminum. It adheres to copper, brass and bronze.

5. **After I have applied the Cool-Amp, why has it turned color?**
   The silver plating may sometimes turn color (yellow or blue) if the atmosphere has such things as chlorine or sulfur in it. The discoloration should not affect the performance of the plating.

   We cannot emphasize enough the importance of thoroughly cleaning the copper surface (before applying Cool-Amp) with a wire brush or an abrasive cloth removing **all** oils, chemicals and cleansers. After applying the Cool-Amp, the surface should be thoroughly **rinsed with clean water** until all remaining powder paste is gone. If any residue is left, it will turn the finished surface dark.

6. **Is Cool-Amp toxic or does it have any hazardous materials in it?**
   Cool-Amp is non-hazardous and has no toxic chemicals. There is no graphite, mercury or cyanide in the product.

7. **Can Cool-Amp be used in the repair and restoration of silver and silver plated items such as lamps, frames, cutlery, etc?**
   Cool-Amp can be used successfully to touch up scratches and small worn areas. The finished and polished looking plating will be only as smooth as the base metal was before plating.

8. **Is Cool-Amp silver plating powder compatible with transformer oil?**
   Yes, the oil will have no adverse affects on the Cool-Amp.

9. **How does Cool-Amp perform under heat?**
   Coated samples heat treated for two hours at 150° C in air have shown the Silver-to-Copper bond passes ASTM B 571 in 45º modified Bend Test.