

TECHNICAL DATA SHEET "C" METAL COATINGS

PRODUCT DESCRIPTION:

Sculpt Nouveau's "C" Metal Coating is a natural blend of a durable, non-hazardous acrylic binder with true metal powders sheered in. The "C" Metal Coating comes bundled with a hardener and catalyst. It also contains a great deal more metal than the "B" Coating. Different metals are blended into the acrylic binder; copper, bronze, brass, iron, etc. to form the coating variations. When dry it is a very hard coating and may be polished with steel wool. The "C" Metal Coating formula contains very low volatile organic compounds (VOC's), and is easily cleaned up with soap and warm water.

Our Metal Coatings are a proprietary formula which will offer the user the most economical way to achieve designer results for a fraction of the cost. Metal Coatings have been used on almost every known substrate with excellent results. Our patinas may be used with our Metal Coatings. Applications of the patina solution will cause various chemical reactions specific to the metallic properties of the metal to which they are applied.

MIXING AND APPLICATION:

1) Mix the body well before adding the catalyst or hardener or pouring any off into a smaller container. The best way to mix is with a mixing blade that attaches to a drill. Do not go over 300 RPM when mixing. Before mixing, make sure the "C" Metal Coating, hardener and catalyst are not too warm or cold.

2) Add the Hardener to the Body and stir well. Shaking is a good way to mix. Stir or shake for at least 30 seconds.

3) Add the Catalyst – stir briskly while adding – and continue to mix for about a minute. Use a drill mixer if possible.

4) The Metal Coating "C" is now ready to be applied to the surface of an object. The Coating will stay liquid for 5 to 6 hours. Thickening will take place in about 1 to 8 hours, depending on the temperature of the room you are working in. Placing the closed product in a refrigerator may extend this time.

5) Application may be by brush, sponge, roller, or spray gun. When applying the Metal Coating to iron, steel, aluminum or galvanized and the patina that will be applied to the Metal Coating contains acids (any Traditional, Birchwood or Vista Patinas) a strong primer is necessary. The primer will insure that the acids in the patina will not oxidize the iron, steel, galvanized, or aluminum, which would ruin the surface. We recommend Sculpt Nouveau's Prime-It.

6) Stir or shake every few minutes to keep the mixture in suspension while you are working.

7) The coating will need to be strained before adding to the sprayer. Spraying is the best way to apply the coating, although it may be brushed or sponged on. If an air gun type sprayer is used, the coating should be filtered first and sprayed at 40 - 60 psi with a 1.5 orifice tip.

8) Apply two to three coats of the Metal Coating (four, if the surface is very irregular) letting the coating harden somewhat between applications.

The layers may be applied quickly one after the other by drying each with heat. The whole process (aside from the Primer) should be able to be completed in a day.

APPLYING PATINAS:

1) A patina should be sprayed on while the metal coating is wet but may be sprayed on while the Metal Coating is drying or after it has dried. If the Metal Coating is dry, it must be burnished to expose the metal and then apply the patina.

2) A patina containing acid such as Sculpt Nouveau's Light Green, Tiffany, Blue, or any of the Vista Series will help harden the coating if it is sprayed on while the coating is wet. When the last or second layer of Metal Coating has cured for at least 1 hour you may burnish the surface with 00 to 0000 steel, bronze, or copper wool. If there are sharp edges or textures, be careful when polishing. A gray scotch brite pad may also be use with water to burnish before using the steel wool.

POLISHING:

1) When the surface has cured for at least 24 hours, it may be polished with a felt wheel (no stitching) and a buffing compound. Do not exceed 1200 RPM's. (600 to 1200 RPM is best)

2) A sanding block may be used if your piece is flat. Use 220 grit.

3) For aggressive polishing on a rough surface or one with sharp edges, use "Type "B" Metal Coating for the first 2 coats. Let dry between coats, then apply two or more coats of Type "C".

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PRODUCT DATA

RECOMMENDED PRIMER:	Prime-It by Sculpt Nouveau
COVERAGE FOR 2 COATS:	100 sq. ft/gallon
RECOMMENDED THINNER:	Do not thin, if spraying use distilled water
POT LIFE:	≤ 6hours
AVERAGE DRY TIME:	1 hour between coats
WAIT TIME TO POLISH:	>24 hours
POLISHING MATERIALS:	Sandpaper 220 grit, polishing wheel with no stitch felt wheel, steel wool 00 - 0000
WAIT TIME BEFORE SEALER:	12 hours
RECOMMENDED SEALER:	Ever Clear, Clear Guard, Smart Coat
CLEAN UP:	Soap and warm water immediately after use
V.O.C.:	(g/l) < 50
HANDLING & STORAGE:	Stir completely before using. Filter if spraying. Close lid after use. Do not allow to freeze.
MIXING RATIO BY VOLUME:	16 oz Metal Coating Body 1 oz Hardener and 1/2 oz Catalyst
MIXING RATIO BY WEIGHT:	677 grams (23.8 oz) Metal Coating Body

PACKAGING

8 oz 16 oz 1 Gallon 5 Gallon
Bronze Brass Copper Iron Silver