



TECHNICAL DATA SHEET

Smart Coat

Product Description: **Smart Coat** is designed to provide a durable, clear, air drying, auto-leveling, fast drying, and tarnish resistant protective film. Smart Coat is also a water based polymer making it ideal for interior application due to its lack of smell. It has excellent adhesion to all metals including bronze, brass, and copper. Due to its unique chemistry, orange peel is virtually nonexistent. Smart Coat is water white, mar resistant, air dry and curing, perspiration resistant, repairable, UV and weather resistant, ready to use, and easy to apply.

Safety: Use in a well ventilated area. Always wear goggles or face shield, vapor respirator, protective clothing and gloves when handling the product.

Directions: The life and quality depends greatly upon the preparation of the receiving surface. Surfaces ready to be coated should be dry and free of any contaminants, moisture, and/or oils. Careful selection of commercial metal cleaners are crucial due to the possibility of introducing harmful residues. Sculpt Nouveau Metal Cleaner and Degreaser is the recommended cleaner.

DO NOT use Acetone or any solvent based cleaners.

If using Smart Coat over bare metal, cleaning is of the most importance. Sandblasting and sanding will create a better surface to adhere to but it may change the appearance of the metal. If no abrasion is desired, at least degrease the surface so that it is still clean. **DO NOT** use on polished materials. If using Smart Coat over another coating or patina, follow all instructions for that coating or patina leading up to and including the clear coat portion.

Important Note: Unseen moisture may be in the metal surface that will interfere with the clear coat. Especially on humid days or earlier in the day, moisture will be undetectable to the bare eye. Trapped moisture will manifest itself as a cloudy coating and/or as a possible bonding problem. Oxidation, such as rust, can also develop over time. To prevent this, warm or heat the metal with a torch or heat gun prior to clear coating. If this is done, you should notice a shadow of water dissipate across the surface. Allow the metal to cool to room temperature for a few minutes, then proceed to apply the clear coat.

Handling/Mixing: Mix thoroughly before using, for the Matte versions, ensure all matting agent is suspended before use. Mechanical mixers work well if the container has been sitting a long time, otherwise shaking should suffice. 2 coats are recommended but more will provide more protection.

Application: Apply 2-3 light coats, make sure that the first layer saturates the patina. Smart Coat works well when sprayed, brushed, rolled, or flow coated. Some application methods may show if the coating dries faster than it can level out. For best results, spray the Smart Coat. Normal spray application will work well when using a 1.2 tip at about 18-25 psi from a HVLP sprayer. It should look as though it is being atomized through a spray can. Allow about 1 hour to dry between coats. In colder climates, this dry time may need to be extended.

Cure Time: Smart Coat cures about 48-72 hours after final application of Smart Coat depending on conditions. The colder it is, the longer it takes to cure – **DO NOT** force dry with heat or air.

Clean Up: Water works best for cleanup.

Before Using: Please read, understand, and follow all the precautions shown on the product label and on the Safety Data Sheets.

The Safety Data Sheets can be found on our website: www.sculptnouveau.com

Technical Data

Physical State: Clear or cloudy liquid

Boiling Point: > 100°C (>212°F)

Coverage: About 200 Sq. Ft. Per Gallon

Solubility In Water: Complete

V.O.C.: Not applicable

Ideal Application Conditions: 50-80°F

Flammability Limits: Not flammable

Humidity: <50%

Dry Time/Recoat Time: 1 Hour

Clean Up: Water

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