



TECHNICAL DATA SHEET

Hydro Clear

Product Description: **Hydro Clear** is an advanced and durable air-drying two-part polyurethane. Hydro Clear is formulated to provide outstanding protection for all metal surfaces including bronze, brass, and copper. Hydro Clear is designed for the toughest jobs, including countertops and ocean environments. This durable 2-part clear coat can be applied to interior and exterior surfaces. Hydro Clear is non-yellowing, quickly hardens, resists against abrasions, chemicals, and stains, and gives excellent clarity. Graffiti is easily removed with Graffiti Remover.

Safety: Use in a well ventilated area. Always wear goggles or face shield, vapor respirator, protective clothing and gloves when handling product. Store in temperatures between 50-90° F.
MIX WELL BEFORE USING.

Directions: **Surface Preparation:** 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 Hydro Clear over bare metal, cleaning is very important. 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, you must degrease the surface to ensure it is still clean. If using Hydro Clear 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: Loosen the lid carefully as the container may be under slight pressure. Mix thoroughly with a paddle or mechanical mixer before using. Thinning should not be necessary but if you want to thin, or if you have a thick or powdery patinaed surface, thinning can be done only with distilled water up to 10%. **DO NOT** over thin, this can weaken the overall coating and decrease the thickness of the coating. As you thin the Hydro Clear more, you may need to apply more coats. One coat is recommended but more coats will provide further protection. Thoroughly mix Part A, then mix Part B into Part A at the required 3:1 ratio (Part A:Part B) for a minimum of 5 minutes. Filter the mix with the supplied 18 micron filter into your desired sprayer. Once mixed, the pot life is 6 hours – **DO NOT** use after this time.

Application: If spraying, ensure the coating fully saturates the patina or bare substrate. Hydro Clear looks best when sprayed and it is not recommended to brush or roll out. 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. If recoating a sprayed-on application, you must allow a minimum of 12-24 hours dry time between coats. Hydro Clear may also be rubbed on if spraying is not optional or ideal. Two coats are required for rubbed on application and you must allow a minimum of 4-6 hours between coats.

Cure Time: Hydro Clear cures in about 5 - 7 days after final application of Hydro Clear depending on conditions. The colder it is, the longer it takes to cure.

Clean Up: Tap or distilled 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

Appearance: Transparent clear liquid
Coverage: About 250 Sq. Ft. Per Gallon
V.O.C.: Negligible
Recoat Time: 12-24 hours if sprayed and
4-6 hours if rubbed
Cure Time: 5-7 Days

Recommended Coats: 1 Minimum
Recommended Thinner: Distilled water
(Only if needed)
Recommended Clean Up: Water
Temperature: 50-80°
Humidity: <50%

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