

Birchwood Antique Brown M-38

Technical Data Sheet

Description: Birchwood Technologies Antique Brown M-38 Patina darkens bronze, brass and copper. This is a concentrated solution. Dilute M-38 with distilled water before use. Common dilution ratios are 1:1, 2:1 or 3:1 (patina:distilled water).

Safety: Work in a clean, well-ventilated area. Always wear a vapor respirator, protective clothing, eye protection and gloves when using this product.

Storage: Store in temperatures between 50-90°F.

Surface Prep: Sand (60-80 grit) or sandblast the metal. Next, clean the surface with Sculpt Nouveau Metal Cleaner and Degreaser and a Scotch-Brite pad, then rinse with water. Cleaning the surface is mandatory after sanding or handling with bare hands. DO NOT use Acetone or any solvent based cleaners.

Application: Apply M-38 to the metal with a brush, sponge, roller or sprayer. The patina may show characteristics of the application method. Spraying is most common. The normal reaction time is 3-5 minutes. Plan for shorter or longer times depending on the temperature, dilution ratio and your desired finish color. More concentrated mixes will cause faster reactions and darker finishes. Avoid applying at full strength.

DO NOT allow the patina to dry on the surface. Rinse the patina with water to neutralize the acid and stop the reaction. While rinsing, rub the surface softly with a microfiber towel or sponge to remove the excess film from the patina. Dry the metal with clean white paper towels after rinsing. Reapply the patina as needed for a darker or more uniform finish.

Protection: Heat the surface with a torch or heat gun to evaporate excess water in the metal, then apply a clear coat such as Sculpt Nouveau Clear Guard or Ever Clear.

Quick Reference Data

Physical State: Transparent Liquid
Coverage: Approx. 200 sq. ft. per gallon
VOC: None
Solubility in Water: Complete
Boiling Point: >212°F

pH: 1.2
Flammability: Not Flammable
Reactive Surfaces: Bronze, Brass and Copper