Sculpt Nouveau
Patinas and Metal Finishes

Concentrated Blackened Steel Patina

Technical Data Sheet

Description: Sculpt Nouveau Concentrated Blackened Steel Patina darkens iron and all non-stainless steels to a deep black. Dilute 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 or sandblast (60-80 grit) 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: The optimal application temperature is between 50-80°F. Apply Blackened Steel to the metal with a brush, sponge, roller or sprayer. The patina may show characteristics of the application method. Spraying is most common for uniform finishes. The normal reaction time is 1-5 minutes. More concentrated solutions cause faster reactions and darker finishes.

DO NOT allow the patina to dry on the surface. Rinse the patina with water to stop the reaction. You must also remove any excess film developed by the patina. While rinsing, rub softly with a microfiber towel or sponge. Dry with clean white paper towels as soon as you are done rinsing. Burnish any oxidation/rust with 0000 steel wool. Reapply the patina as needed to create a darker or more uniform finish.

Protection: Use Sculpt Nouveau Metal Oil to prevent immediate oxidation/rust. Once the oil has cured, apply a clear coat such as Sculpt Nouveau Clear Guard or Ever Clear. If you did not use Metal Oil, heat the surface with a torch or heat gun to evaporate excess water in the metal, then apply a clear coat.

Quick Reference Data

Physical State: Transparent Blue Liquid
Coverage: Approx. 200 sq. ft. per gallon
VOC: None
Solubility in Water: Complete
Boiling Point: >212˚F
pH: 0.85
Flammability: Not Flammable
Reactive Surfaces: Iron and Steel

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