



Metal Finishing Systems

Direct Dial Number:

952 937-7931

Birchwood Laboratories, Inc.

7900 Fuller Road
Eden Prairie, MN 55344

952 937-7900

Fax: 952 937-7979

PATINA GREEN™ SOLUTION

Operating Instructions

DESCRIPTION

PATINA GREEN™ Solution is a Room Temperature coloring solution that is designed to form an attractive Verdi green patina finish on copper, brass and bronze surfaces. The finish is similar to that formed through natural aging in outdoor weathering conditions and is composed of several different copper compounds, much like the natural patina. PATINA GREEN Solution works well on light fixtures, cabinet hardware, cast bronze sculpture pieces, architectural elements, such as copper roof shingles, fascia, window/door frames, gates and decorative hardware of all types.

The PATINA GREEN Solution can be applied undiluted directly onto a clean metal surface to achieve a bright green, or mint green, finish. Or, the solution can be used as a secondary coloring operation over the top of a brown or black-colored base coat to give a somewhat more muted color tone with less reflection from the base metal.

PROCESS CYCLE “A” (for brighter green tones)

1. **CLEAN** the metal surface to remove all oils, waxes, shop soils, welding flux and oxides left from casting operations. Solvent cleaners, such as alcohol, acetone or lacquer thinner, may be used if they do not leave a residue on the surface. To remove tarnish and oxide, try bead blasting, belt sanding or cleaning with an abrasive pad to clean and satinize the surface and prepare it for coloring. **DRY** the part with an air hose.
2. **APPLY PATINA GREEN** solution. Either brush on the undiluted solution or immerse parts momentarily in a 1:1 dilution. A spritzer spray may also be used.
3. **ALLOW TO REACT AND DRY. DO NOT RINSE.** The patina develops as the solution dries on the surface. Warm air speeds drying, but may affect the final color. When dry, the finish can be highlighted or burnished.
4. **SEAL** the finish with wax, oil, lacquer. Or, leave unsealed to allow the surface to continue to form its own natural patina.

PROCESS CYCLE “B” (for more muted, opaque green tones)

1. CLEAN the metal surface, as described above.
2. APPLY BROWN or BLACK BASE COAT. A brown base coat is applied by using ANTIQUE BROWN® M38 to deposit a coating ranging from golden to chocolate brown. Or, apply a black base coat, using ANTIQUE BLACK® M24 Brush-On Solution.
3. RINSE with clear water and DRY the surface.
4. APPLY PATINA GREEN solution. Either brush on the undiluted solution, or immerse parts momentarily in a 1:1 dilution. A spritzer spray may also be used.
5. ALLOW TO REACT AND DRY. Warm air speeds drying, but may affect the final color.
6. SEAL the finish, as outlined above.

In general, oil and wax topcoats are regarded as temporary sealants, suited for indoor applications only, or for outdoor use only when the finish is expected to continue to age naturally. For surfaces requiring a very clean finish or long-term outdoor protection, an outdoor grade of satin polyurethane lacquer is recommended, perhaps topped with a coat of paste wax to give a smooth feel to the surface. Some experimentation is often required in order to optimize the application technique.

CAUTION

This product contains mineral acid. DO NOT TAKE INTERNALLY.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT.

PACKAGING

1, 5, 55 gallon non-returnable containers. Store indoors in closed container.

NOTE:

The information contained herein is provided in good faith and is believed to be correct. However, Birchwood Laboratories, Inc. makes no representations as to the comprehensiveness of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. No warranties, either express or implied, or merchantability or fitness for a particular purpose, are made.

PATINA GREEN™ Solution

08/06

© Birchwood Laboratories, Inc.

