

A Dependable Source for **ROOM TEMPERATURE OXIDIZERS**

**Epi offers a full range of oxidation products for
Brass, Bronze, Copper, Pewter, Tin, Silver and Nickel**

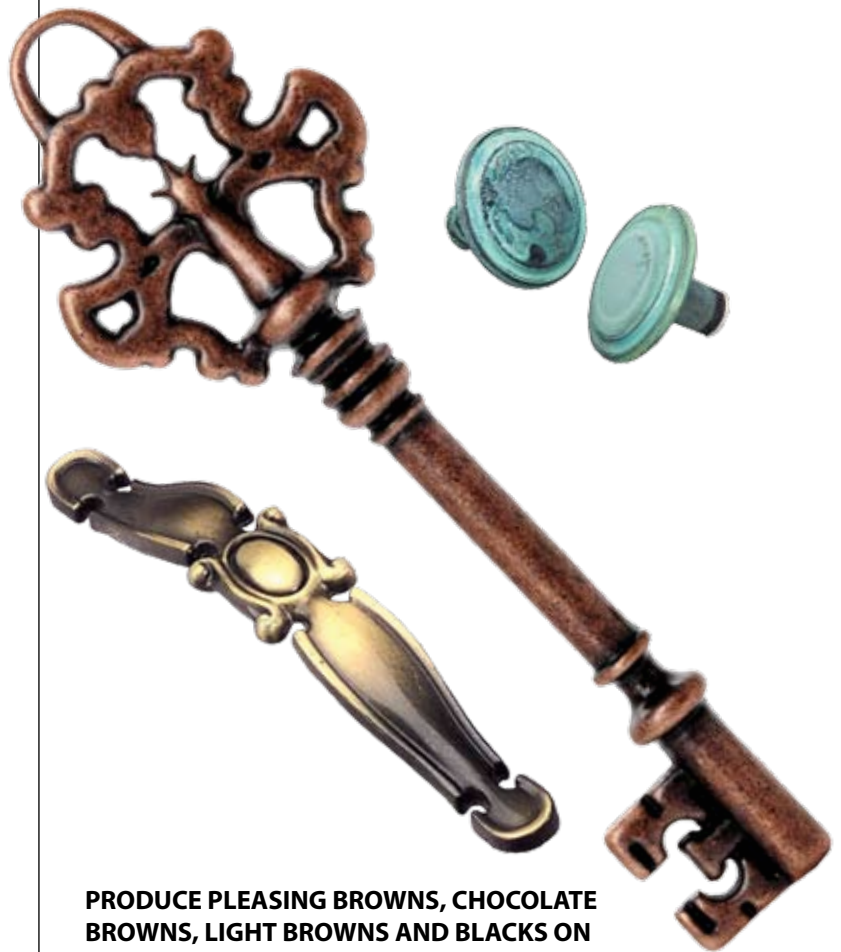
Epi offers a variety of B/Ox™ formulations to meet your needs. The 300 series of B/Ox™ products gives the metal finisher a wide range of choices for color development in oxidizing various metals. A range of colors are developed by varying the solution concentrations and application times of the liquid concentrates and gels.

Epi is a world-leading manufacturer of chemicals for the metal plating and metal finishing industries. We supply customers in a wide range of industries with an extensive line of products in the areas of electroplating, metal blackening, corrosion inhibitors, antiquing and oxidizing, metal cleaners, and more.

Epi's staff of degreed chemists, chemical engineers and technicians offer outstanding technical service and support and can deliver lab results within 48 hours or sooner. Count on Epi for the knowledge base to solve your toughest production challenges.

Send us your sample parts today and see for yourself.

Contact Epi at **262.786.9330**
or e-mail **us-sales@epi.com**



PRODUCE PLEASING BROWNS, CHOCOLATE BROWNS, LIGHT BROWNS AND BLACKS ON COPPER, BRASS, AND BRONZE

VERDI-GREEN ON BRASS, BRONZE AND COPPER

BLACKS ON PEWTER, TIN, SILVER, NICKEL, STEEL ALUMINUM, AND ZINC

**EPI® Electrochemical
Products Inc.**
Simply Superior!

Learn More
>> See reverse for
the full B/Ox™ series

B/Ox™ 311



15% to 20% by volume solutions produce black to blackish-brown US 10B finishes on copper and brass with immersions of 1 to 3 minutes. Diluted 5% to 10% by volume solutions produce lighter Flemish and statuary bronzes with 1 to 3 minutes of immersion. Desirable underlying red tones revealed upon highlighting the black and brown tones.

B/Ox™ 311 GEL



Room Temperature Oxidizing/Antiquing GEL for Brass, Bronze, and Copper via Swab-on or Brush. It is an instant-acting black chemical conversion/antique finish for all brass, bronze, and copper. Used at full strength to produce a black finish.

B/Ox™ 312



20% by volume solutions produce more pronounced brown to chocolate-brown colors on copper and brass than 311, with a richer reddish tone when highlighted. 1 to 3 minute immersions. Desirable underlying red tones revealed upon highlighting the brown tones.

B/Ox™ 312 GEL



This room temperature oxidizing/antiquing gel delivers instant-acting brown chemical conversion/antique finishing for all brass, bronze, and copper. B/Ox™ 312 GEL offers all the benefits of B/Ox™ 312 in a convenient gel form.

B/Ox™ 313



Used at the same dilutions as 311 and 312 with copper and brass, but the highlighted finishes do not exhibit any underlying red tones. B/Ox 313 is also used to blacken silver and nickel.

B/Ox™ 314



Similar in action to 312 but slower acting while producing warmer and richer brown tones of varying intensity to include deep walnut browns on brass and bronze.

B/Ox™ 315



Has a very wide operating window in regard to concentration to produce light brown to chocolate-brown colors with a golden tone on copper and brass. It does not produce as much smut or rub-off as other oxidizing solutions. Concentration is 10 to 20% in water.

B/Ox™ 316 GEL



Immersion or swab-on verdi-green color that is used 50-100% by volume. It can be applied directly to properly cleaned brass and copper. Results in a thick verdi-green finish that accepts lacquers and powder coats.

B/Ox™ 322



This non-selenium antiquing agent produces black to blackish-brown finishes on copper and brass with immersions of 1 to 3 minutes. Diluted 5% to 10% by volume solutions produce lighter Flemish and statuary bronzes with 1 to 3 minutes of immersion. B/Ox finishes increase productivity by reducing time required for buffing or burnishing.

B/Ox™ 325



Blackens pewter with 1 to 5 minute immersions in a full strength B/Ox 325 solution or with dilutions at up to 5 parts water.

B/Ox™ 327



Produces gun metal blue, black, brown and slight purple, copper, brass, pewter and silver. Does not contain selenium.

Call or e-mail for more info:
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Simulated Antique Brass Finishes are produced on steel by blackening with EPI's InstaBlak® 333 and on zinc by blackening with EPI's InstaBlak® Z-360 followed by straight-line highlighting or relieving (scratch buffing) the blackened surface and then top coating with a transparent gold lacquer.

Simulated Pewter Finish on Aluminum is produced by blackening the aluminum with EPI's InstaBlak® A-385, highlighting or relieving the blackened surface in a burnishing barrel or vibratory finishing mill and then top coating with a satin clear lacquer.

Simulated Pewter on Zinc is produced by blackening the zinc with EPI's InstaBlak® Z-360 followed by burnish relieving the black finish followed with a topcoat of satin clear lacquer.

"Old English", "Swedish Steel", or "Old Iron" finishes on steel and cast iron by blackening with EPI's InstaBlak® 333, highlighting or burnishing the surface followed by a satin clear lacquer topcoat.