

CRESCENT BRONZE TWO-PART EPOXY CLEAR/METALLIC BASE
PRODUCT NUMBERS: PART A- 10510-A, 10591-A
PART B- 10510-B, 10591-B
ADMIXED- 10510-AB, 10591-AB

DESCRIPTION

A two-part system that forms a super tough, scratch and chip resistant finish. When completely cured, it is solvent and chemical resistant. Our Epoxy has excellent adhesion to glass, ceramics, raw metal and powder-coated material.

APPLICATION

Our Crescent Bronze Epoxy system is a two-part one-to-one mix (by volume) product consisting of an epoxy resin part A and a curing agent part B. Measure equal parts by volume of the two components in a dry, clean container and mix well, then let stand for 30-45 minutes (induction time) to initiate reaction. Although this product can be rolled or brushed, spray application is highly recommended in order to achieve the most uniform metallic finish. At 70°F, the pot life of this product is 16 hours to 1.5 times initial viscosity. Use the mixture within this time frame. **DO NOT STORE IN TEMPERATURES LESS THAN 45°F.** This product should never be used for exterior applications as epoxies will degrade very quickly when exposed to daylight.

SURFACE PREPARATION

Surface to be painted must be completely clean and dry, free from any grease, oil, wax, or other contaminants and be at least 50°F. **Painted** surfaces must be tested for compatibility. Glossy surfaces should be sanded dull before painting. **Unpainted** surfaces should be properly primed with a suitable epoxy primer. Consult manufacturer's specifications for proper surface type and preparation in order to achieve satisfactory adhesion and compatibility with our Epoxy system. This product may go direct-to-metal without a primer, please consult Crescent Bronze for these applications.

METALLIC BASE CLEAR COATING

For most applications, clear coating of this product is not required. If an additional protective coat is desired, especially in heavy traffic areas, we recommend our Crescent Bronze Two Part Epoxy Clear # 10591-AB. Other manufacturer's products could be used, but it is *extremely important* to test their products compatibility with our metallic finish. Many products discolor metallic finishes and Crescent Bronze assumes no responsibility for the results obtained when using these products. It is also important to note that using a clear coat could reduce the Metallic luster or darken the finish slightly.

DRY TIME

At 70°F and 50% relative humidity, will dry to touch in approximately 45 minutes to an hour. Print free time is about 9-10 hours and may be recoated after 1 hour and up to 72 hours without any sanding. Full adhesion and chemical resistance of this product may require 7-10 days to develop. Cooler and more humid conditions will extend these timeframes.

COVERAGE

Approximately 400-500 square feet per gallon (at 1 mil D.F.T.) depending on surface conditions and application method. One coat may be satisfactory (depending on background color and application method), but we recommend two coats for best results. Recommended dry film thickness is .75-2.0 mils.

THINNER/CLEAN UP

Thinning of this product is not recommended for most applications. For specific applications that may require thinning, please contact Crescent Bronze. Clean up with our epoxy reducer 10510-2728 or a Glycol Solvent.

PHYSICAL DATA

	<u>Part A</u>	<u>Part B</u>	<u>1 to 1 Mix</u>
*Viscosity:	48+/- 5 seconds	19 +/- 4 seconds	24 +/- 4 seconds
Weight per Gallon:	8.22 +/- .25 lbs	7.34 +/- .15 lbs	7.78 +/- .25 lbs
% solids by weight:	53.63 +/- 1.00	23.78 +/- 1.00	39.55 +/- 1.00
V.O.C.:	3.06 +/- .25 lbs/gal	4.72 +/- .25 lbs/gal	3.89 +/- .25 lbs/gal
	367 grms/ltr	567 grms/ltr	467 grms/ltr
Flash Point:	40°F	40°F	40°F
Gloss:	N/A	N/A	90° Minimum

*Viscosity is checked on a #2 Zahn cup @ 77°F

HAZARDS: This product is classified as “**flammable**”. When shipping this product via AIR transportation it must be shipped as hazardous. When shipping limited quantities via Ground transportation it will be shipped out ORM-D. When shipping more than limited quantity amounts via Ground transportation it will be shipped out as Hazardous. Please refer to product MSDS for suggested guidelines as to the safe use and handling of this product.

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