

COX SALES COMPANY

Product Information

Cox Clear Coat

High-Build Glass-Like Finish

Description:

Cox Clear Coat is a two component, 100% solids, high-build epoxy coating.

Uses:

Cox Clear Coat is used for coating picture plaques, wood, photographs, plaster, and craftwork. It can also be used for magazine and newspaper clippings, ceramic statues, general coatings, tabletops and bar tops.

Coverage:

Coverage for pour coat (1/16 inch)

1 oz of Clear Coat will cover 27 sq. inches
½ pint kit will cover approx. 2 sq feet
Pint kit will cover approx 4 sq feet
Quart Kit will cover approx 8 sq feet
Gallon kit will cover approx 35 sq feet

Note: Pouring over a thickness of 1/16 inch may cause excessive bubbles, yellowing, and distortions in surface. Use multiples coats to achieve desired thickness.

Colors:

Universal Paint colorants can be added as long as they are water-based and not oil based

Packaging:

1 Gallon Kits (2 – 1/2g Bottles)
2-Gallon Kits (2 – 1g Bottles)
110 Gallon Kits (2 – 55g Drums)

Surface Preparation:

For best results, the surface to be covered must be dry and free of dust, wax, grease, or oil. Surfaces should be sealed. For wood, apply 2-3 coats of a lacquer sanding sealer, sanding lightly between coats. For other surfaces, like paper, use our SEAL COAT or white glue. The item to be coated should be about 2 inches above the work area so that the extra mixture will drip off the item. It is a good idea to put a newspaper or a drop cloth under the item to catch the drips.

Measuring:

Mix only the amount of Clear Coat that you need at one time. Unused resin and hardener should be left in original containers. Measure 1 part Resin A to 1 part Hardener B. Measure exact amounts of both resin and hardener in separate mixing cups. Do not add more hardener than resin, as this will cause the finished

coating to remain sticky. Inaccurate measuring will cause epoxy surface to remain soft or sticky “spots” on the epoxy surface.

Tools:

Mixing container- Should have smooth flat bottom and be clean and dust free.
Stick - Must have flat, straight edge to ensure thorough mixing.
Brush - Sometimes a small brush is needed for coating edges of crevices.
Surgical Gloves (powder-free) or Squeegee – Needed for product application

Mixing and Application:

Warm up the Cox Clear Coat Resin and Hardener to 75°-80°F. This will improve the flow characteristics and bubble release. In a dry, clean container, mix equal parts of the resin (part A) with the hardener (part B). Be sure to scrape the sides and bottoms of mixing container while mixing. Mix for 3-4 minutes using a paint paddle. After mixing, **IMMEDIATELY** pour material onto the bar top or tabletop. Spread with surgical gloves or squeegee.

Note: Larger batches cure faster due to the chemical nature of this product. We do not recommend mixing more than a ½ gallon mixture at a time.

Bubble Release

Wait 15-20 minutes then lightly pass a lit propane torch over the surface approximately 6 inches over the surface until all bubbles are gone. The heat from the propane torch helps facilitate bubble release while the flame from the torch provides a carbon dioxide reaction popping the bubbles. This will help ensure a glass like finish. Torching too soon can trap the small bubbles within the material. Do not over torch.

Drips may be sanded off after the item has cured

Drying Time:

Cox Clear Coat should be dry to touch in about 8-10 hours. Wait 24-48 hours before places objects on the surface. Wait 7 days before placing hot objects on surface to allow Cox Clear Coat to reach its maximum cure. If a ring is left on the surface from a hot cup or plate, allow 4-6 hours for ring to disappear on its own. If ring is left within 2-7 days after product application and does not disappear completely, wave a hot hair dryer over surface for approximately 1-2 minutes. The ring should disappear immediately. One coat is usually all that is needed to capture a glossy shine.

Two or more coats may be applied without damaging the first coat. Clear Coat is recommended for interior use only.

60°-85°F. This product should be used within one year of purchase.
For interior use only

Limitations:

Clear Coat should be stored in a dry place between 75°- 80°F and out of the reach of children. Resin and hardener should not be left in an open container. Cox Clear Coat should be used in a room where the humidity is under 60% and temperature is between

Clean Up:

Use Acetone to clean up Clear Coat while it is in its liquid state. After Cox Clear Coat has been cured, it may be removed by sanding or a paint stripper. It is advisable to clean immediately after use.

Technical Data:

<u>Exothermic data</u>	
Brookfield viscosity, cps, 25 °C	7100
Gel Time, minutes (200-g mass)	45
Peak Exothermic temperature , C°	150
Time to peak temperature	57
<u>Coating Properties, 6 mil film</u>	
Drying time, hr., Set to touch	3.7
Surface- Dry	5.3
Thru-dry	9.1
<u>Properties of Cured 1/8 inch castings</u>	
Izod impact strength, ft-lb/in	0.95
Dynatup impact, total energy, in-lb	32
Shore D hardness, 0-10 sec	81-83
Tensile Strength, psi	5,800
Ultimate elongation, %	9.9
Flexural strength, psi	9,500
Flexural modulus, psi	310,000
HDT, °C, 264-psi load	32
%Weight gain, 24 hr water boil	-0.3
3 hr acetone boil	
Compressive strength, psi, at yield	3,500
At failure	27,600
Cured 7 days, ~25°C	
1 inch cylinders, ½ inch diameter	