



Birchwood Laboratories LLC
7900 Fuller Road
Eden Prairie, MN 55344
Tel: 952 937 7931
Fax: 952 937 7979
www.birchwoodtechnologies.com

CLEARLOK® U1 & U2
Operating Instructions

PRODUCT DESCRIPTION

CLEARLOK® U1 is a solvent-based clear coating designed as a protective film with excellent durability and appearance. This clear coat can be used individually on its own or the coating can be enhanced with the addition of a specialty ingredient. With the addition of the CLEARLOK® U2 this combination has superior flow out, good UV protection (non-yellowing), and excellent chemical and salt-spray resistance. This topical treatment has a wide variety of applications, both interior and exterior. This product can be used over any of the Birchwood Technologies® colored conversion coatings and has excellent adhesion on a variety of base materials when CLEARLOK® EXT is used as a primer.

OPERATING CONDITIONS

Makeup	Use Clearlok® U1 as received or 9-parts U1 and 1-part U2
Operating Temperature	Use at room temperature.
Film Thickness	Wet: 3 – 4 mils, Dry: 0.5 – 1.0 mils.
Coverage	Approx. 357 square feet per gallon (@ 1mil).
Corrosion Resistance	100+ hours @ 100% humidity. 100+ hours salt spray resistance
Ultraviolet Protection	Excellent
Dry time	Touch: 20 minutes, Handle: 30 minutes, Package: Overnight or upon cooling if force air dried or baked. When mixed U1/U2 should have at least 3 days to air dry.

COATING REMOVAL

The CLEARLOK® coating can be removed by blasting or sanding the surface.

PACKAGING

CLEARLOK® U1: Quart, 1 and 5 gallon containers. Store indoors in closed container.

CLEARLOK® U2: 4 oz, Quart and 1 gallon containers. Store indoors in closed container.

PROCEDURE

The CLEARLOK[®] U1/U2 combo can be only sprayed. Adhesion of this product is best when EXT is used as a primer. This product is mixed at a ratio of nine-parts CLEARLOK[®] U1 and one-part CLEARLOK[®] U2. If thinner mixture is needed, add Acetone in small increments until desired viscosity is obtained. Before applying, ensure base material has been cleaned, degreased, and dried.

SPRAY: Use 40 – 50 PSI. Cover piece with one coat making sure not to produce misty or dry spray appearance. Allow to set-up for approximately one to two minutes, then apply additional coats, if desired.

DIP/CENTRIFUGE: After mixing CLEARLOK[®] U1 and CLEARLOK[®] U2, the chemical is only viable for 8 – 12 hours, so dipping or centrifuge spinning, is **NOT** recommended.

CURING: If using only U1, allow to air dry for at least 15 minutes before handling and overnight before packaging. Allow at least three days to air dry. The drying can be accelerated with an oven or forced air drying at 140 – 190°F for 10 – 30 minutes. Dense casting and like materials will require longer dry times. Package products after cooling.

PACKAGE LIFE

CLEARLOK[®] U1 & U2 are good for approximately one year from date of purchase when stored in recommended conditions separately.

Before Using This Product – Please Read, Understand and Follow all the Precautions shown on the Product Label and on the Safety Data Sheet. FOR INDUSTRIAL USE ONLY.

The Safety Data Sheet can be found on our website:

<https://www.birchwoodtechnologies.com/Downloads/Safety.html>

Use Appropriate Warning Labels on any Container used to Store or Apply this Product.

NOTE: The information contained herein is provided in good faith and is believed to be correct as of the date below. However, Birchwood Laboratories LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, Birchwood Laboratories LLC will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

CLEARLOK[®] U1
CLEARLOK[®] U2

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