



PRODUCT DATA SHEET
AWL®BRITE CLEAR ACRYLIC URETHANE
J3005/J3006

Features & Uses

AWL-BRITE CLEAR is a new buffable, high build, three component clear urethane for marine brightwork. AWL-BRITE CLEAR provides a far more durable finish than varnish, is faster curing and as easy to apply. Do not use below the waterline.

Specification Data

Type: Three Component Acrylic Urethane

Color: Clear

Packaging: Quarts and Pints

Theoretical Coverage - Sq. Feet/Gallon; 930 Sq. Feet (86m²) at 1 mil dry (25 microns);

93 Sq. Feet at recommended dry film thickness of 10 coats.

Coverage calculations are based on theoretical transfer efficiency of 100%. Actual coverage rate obtained will vary according to equipment choice, application techniques, part size, and application environment.

Recommended Wet Film Thickness: 2.0-2.5 mils (50-62 microns) per coat.

Recommended Dry Film Thickness: 1.0-1.2 mils (25-30 microns) per coat.

Anticipated Cure Time at 77°F/50% R.H: 3 hours to recoat; 12 hours to light service; 7 days for full cure.

Recoatibility: With itself: 3 hours minimum, 36 hours maximum without sanding or scuffing.

VOC: Base (J3005) – 372 g/lit or 3.1 lbs/gallon
Converter (J3006) – 146 g/lit or 1.2 lbs/gallon

Product Components, Reducers, Additives, and Auxiliary Components

Base	J3005
Converter	J3006
Brushing Activator	A0031
Spray Activator.....	A0001, A0003, A0006
Equipment Cleaning	T0001, T0002, or T0003, or M.E.K.

Application Equipment

Brush, roller and spray application

Conventional Spray; Pressure Pot

Binks or equivalent:

Spray Gun: #95

Fluid Nozzle: #63BSS (.046" Orifice Size)

Fluid Needle: #663A

Air Nozzle: #63PB

Pressure pot gauge should read 8 to 12 lbs with 50 to 60 lbs.

atomization

High Volume Low Pressure System

Binks MACH 1 or equivalent pressure pot:

For use with all Awlgrip Topcoats and low viscosity primers.

Fluid Nozzle: #91 (.040" Orifice Size)

#92 (.046" Orifice Size)

Fluid Needle: #54-4382

Air Nozzle: #93P

Siphon or Cup Gun System

Binks or equivalent:

Spray Gun: #95

Fluid Nozzle: #66SS (.070" Orifice Size)

Fluid Needle: #665

Air Nozzle: #65SK

Atomizing air pressure should be approximately 50 to 60 lbs.

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Surface Preparation

The wood should be clean, dry, smooth, and well seasoned.

New Wood: Use of a marine teak cleaner or wood bleach is advised on new wood to remove excess oils, promote color uniformity, and adhesion. Follow manufacturer's instructions for use and thoroughly remove all cleaner and neutralizer residue before proceeding. Rough sawn lumber must receive heavy sanding to level the grain. Work through the grits to effectively level the grain 60/80 to 100/150 to 220, and so on. When the grain is level, smooth sand the surface with 320 grit paper.

Old finishes in good condition should be washed with AWL-PREP Surface Cleaner, then sanded with 220-320 grit paper to remove the gloss. Old finishes in poor condition should be removed. Test on a small area to make sure AWL-BRITE CLEAR doesn't attack the old finish. If old finish is attacked, it must be completely removed.

Note: Due to the wide variety of substrates, surface preparations, application methods and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full scale application.

Mixing & Reduction

AWL-BRITE CLEAR is a three component product. Mix by volume 2 parts J3005 with 1 part J3006 until one smooth, homogenous mixture is obtained. Then add 1/2 part activator. Overall mix is 2:1:1/2 by volume. Example: 4 oz. J3005, 2 oz. J3006, 1 oz. A0031. Additional activator can be added if desired, but standard 2:1:1/2 ratio is required.

Mix and use small quantities of AWL-BRITE CLEAR at a time. Keep the original containers closed when not in use. Do not shake AWL-BRITE CLEAR.

Induction Time after Mixing: None

Anticipated Pot Life at 77°F, 50% R.H: 1 to 2 Hours

Application Instructions

General: The key to performance of any varnish system is applying enough material. This is especially true with AWL-BRITE CLEAR Clear Urethane.

These directions call for more coats than are needed to achieve basic cosmetic qualities. If you stop the system when it looks good, or sand excessively, you will not achieve the desired performance.

New/Bare Wood: Apply one light, smooth coat and allow to cure 8-12 hours. Lightly sand this coat with 320-400 grit paper to remove wicks and nubs before applying additional material.

General: Apply light, smooth coats. Apply two coats in an 8 hour period. Allow to cure 8-12 hours or overnight and repeat. Ten coats are recommended (by brush). A number of product systems are available in the Awlbrite Wood Systems range. You can choose to apply a varnish such as Awlspar or Awlspar HS prior to application of Awlbrite Clear J3005/J3006. This will provide coloring and extended longevity. Awlbrite Amber Sealer and Awlbrite Semi-Gloss is also available. For a faster wood grain filler prime bare wood with Awlbrite Quik-Fil Clear J3901/J3902. Apply a minimum of 4 coats of Quik-Fil Clear followed by 4-6 coats of Awlbrite Clear Urethane. See your Awlgrip representative for further systems.

If no leveling of the Awlbrite Clear Urethane is required, but it has been more than 36 hours since the last application; dulling the surface with Scotchbrite® Pads is recommended, see the application guide for systems. If possible, avoid applying or curing the material in direct sunlight. Do not apply or attempt to cure AWL-BRITE CLEAR below 65°F.

The information in this Product Data Sheet is not intended to be exhaustive. Any person using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk and, to the extent permitted by law, we can accept no responsibility for the performance of the product or for any loss or damage arising out of such use. The information contained in this Product Data Sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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