



PRODUCT DATA SHEET
AWLBRITE CLEAR ACRYLIC URETHANE
J3005/J3006

Features & Uses

Awlbrite Clear is a buffable, high build, three component clear urethane used as topcoat for the Ultimate Brightwork System. Awlbrite Clear provides a far more durable finish than varnish alone, is faster curing and as easy to apply. Do not use below the waterline. Do not apply Awlbrite Clear directly to bare wood.

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 (8.6m²) 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 (25°C) /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/ltr or 3.1 lbs/gallon

Converter (J3006) – 146 g/ltr or 1.2 lbs/gallon

Product Components, Reducers, Additives, and Auxiliary Components

BaseJ3005

ConverterJ3006

Brushing ActivatorA0031

Spray ActivatorA0001, 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 8-12 lbs. with 50 to 60 lbs.

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.

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

2270 Morris Avenue • Union, New Jersey 07083 • USA • Tel: 888.355.3090 • Fax: 908.686.1752

Bannerlaan 54 • B-2280 Grobbendonk • Belgium • Intl. Tel: 32.14.257770 • Intl. Fax: 32.14.230880

76 Waterway Drive • Coomera • QLD 4209 • Australia • Tel: 61.7.5573.9655 or 1800.007.866 • Fax: 61.7.5573.9677

686 Rosebank Road • Avondale • Auckland • New Zealand • Tel: 64.9.828.3009 or 0800.150.257 • Fax 64.9.828.1129

No. 1 Tuas Avenue 4 • Singapore 639382 • Tel: 65.6862.2928 • Fax: 65.6862.0778

Surface Preparation

The wood should be clean, dry, smooth, and well seasoned.
Warning: Wood should have no more than 15% moisture content.

New / Bare Wood: Awlbrite Clear should only be applied over properly prepared Awlspar (M3131) as part of the Ultimate Brightwork System. Do not apply Awlbrite Clear directly to bare wood.

Old Finishes: Old finishes in good condition should be washed with Awlprep 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 Awlbrite Clear doesn't attack the old finish.** If old finish is attacked, it must be completely removed before applying the Ultimate Brightwork System.

Interior Applications: Awlbrite Clear should only be applied over properly prepared Awlspar (M3131) or Awlbrite Quik-Fil (J3901/J3902). Do not apply Awlbrite Clear directly to bare wood.

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

Brush: Awlbrite 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 ½ part A0031. Overall mix is 2:1:½ by volume. Example: 4 oz. J3005, 2 oz. J3006, 1 oz. A0031. Additional A0031 can be added if desired, but standard 2:1: ½ ratio is required.

Spray: Mix by volume 2 parts J3005 with 1 part J3006 until one smooth, homogenous mix is obtained. Then add ¾ - 1 part A0001 (standard) or A0006 (cool temperatures) Activator.

Mix and use small quantities of Awlbrite Clear at a time. Keep the original containers closed when not in use. Do not shake Awlbrite Clear. Do not use Pro-Cure Accelerators.

Induction Time after Mixing: None

Anticipated Pot Life at 77°F(25°C), 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 Awlbrite 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.

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.

Sand as little as possible. Sanding is only required when:

- Runs, sags or brush marks need to be leveled.
- Dirt or grit needs to be removed from the surface.
- If it has been more than 36 hours since the last application.

If no leveling 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 Awlbrite Clear below 65°F (18°C) or over 95°F (35°C).

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.

Awlgrip®, Awl® and all products mentioned in this Product Data Sheet are trademarks of, or licensed to, Akzo Nobel.

© Akzo Nobel. 2009

2270 Morris Avenue • Union, New Jersey 07083 • USA • Tel: 888.355.3090 • Fax: 908.686.1752

Bannerlaan 54 • B-2280 Grobbendonk • Belgium • Intl. Tel: 32.14.257770 • Intl. Fax: 32.14.230880

76 Waterway Drive • Coomera • QLD 4209 • Australia • Tel: 61.7.5573.9655 or 1800.007.866 • Fax: 61.7.5573.9677

686 Rosebank Road • Avondale • Auckland • New Zealand • Tel: 64.9.828.3009 or 0800.150.257 • Fax 64.9.828.1129

No. 1 Tuas Avenue 4 • Singapore 639382 • Tel: 65.6862.2928 • Fax: 65.6862.0778