



PRODUCT DATA SHEET AWL[®]BRITE SEMI GLOSS J3630

AWLBRITE Semi Gloss is a product developed for the professional to aid in the finishing of interior wood surfaces. AWLBRITE Semi Gloss provides a low sheen, 30° gloss, finish for interior surfaces where a durable fast drying finish is required. The AWLBRITE product line provides a far more durable finish than varnish, is faster curing and as easy to apply. Do not use below the waterline. These products are recommended for interior use only.

Specification Data

Type: Three Component Acrylic Urethane
Color: J3630 – Clear Semi Gloss
Packaging: Gallons and Quarts
Theoretical Coverage - Sq. Feet/Gallon; 930 Sq. Feet (86 m²) at 1 mil dry (25 microns); 93 Sq. Feet (8.6 m²) 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, 24 hours maximum without sanding or scuffing.

VOC: Semi Gloss (J3630) - 352 g/ltr or 2.9 lbs/gallon
Converter (J3006) – 146 g/ltr or 1.2 lbs/gallon

Product Components, Reducers, Additives, and Auxiliary Components

Base - Semi Gloss.....J3630
ConverterJ3006
Spray Activator A0001, A0003 or A0006
Brush ActivatorA0031
Equipment Cleaning..... T0001, T0002, or T0003, or M.E.K.

Application Equipment

Conventional air atomized spray or HVLV spray. J3630 can also be applied by brush with excellent results. Do take care to apply thin, smooth coats to avoid uneven gloss level (when applied by brush).

SPRAY EQUIPMENT

Pressure Pot System

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.

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

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Surface Preparation

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

New Wood:

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 220/280, and so on. When the grain is level, smooth sand the surface with 320 grit paper.

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

Mixing and Reduction

AWLBRITE Semi Gloss is a three component product. Mix by volume 2 parts J3630 with 1 part J3006 until one smooth, homogenous mixture is obtained. Then add 1/2 part Activator (A0001, A0003, A0006 or A0031). Overall mix is 2:1:1/2 by volume. Example: 4 oz. J3630, 2 oz. J3006, 1 oz. A0001. Additional A0001 can be added if desired, but standard 2:1:1/2 ratio is required.

Mix and use small quantities of AWLBRITE products at a time. Keep the original containers closed when not in use. Do not shake AWLBRITE products.

Induction Time after Mixing: None

Anticipated Pot Life at 77°F (25°C), 50% R.H: 1 to 2 Hours

AWLBRITE Semi Gloss is designed for spray application due to the possibility of uneven gloss when applying semi-gloss products. PRO-CURE accelerators will continue to shorten the pot life.

Application Instructions

AWLBRITE Semi Gloss is best applied as a finish coat. To build film thickness and seal the grain use AWLBRITE Clear Gloss J3005 or a wood grain filler such as AWLBRITE Quik-Fil Clear J3901/J3902. Products such as Awlspar and Awlspar HS may also be used to seal the wood prior to further application with the Awlbrite finishes. See the respective product datasheets for details. Apply AWLBRITE Semi Gloss by spray in light, slightly wet coats until the desired gloss is achieved. Allow 3 hours tack time between coats. This spray method allows uniform development of the material without flooding or floating.

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

Runs or sags need to be leveled.

Dirt or grit needs to be removed from the surface.

If it has been more than 24 hours since the last application.

If no leveling is required, but it has been more than 24 hours since the last application; dulling the surface with Scotchbrite® Pads is recommended. If possible, avoid applying or curing the material in direct sunlight.

Warning:

Do not exceed the recommended wet film thickness.

Temperature Range: Optimal Surface/Ambient Temperature range is 18°C (60°F) to 35°C (95°F). Proper application and/or cure results may be more difficult to achieve when conditions are outside this range. Do not apply paint materials to surfaces less than 3°C (5° F) above dew point, or to surfaces warmer than 41°C (105°F). Ambient temperature should be minimum 10°C (50°F) and maximum 41°C (105°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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