PRODUCT DATA SHEET
AWLSPAR CLASSIC SPAR VARNISH
M3131

Features & Uses

Awlspar Classic Spar Varnish is a phenolic tung oil varnish used for brightwork protection against water and weather. For use above the waterline only.

Specification Data

Type: Phenolic Varnish.

Color: Amber.

Packaging: Available in quarts and pints (pints in NA only).

Theoretical Coverage - Sq. Feet/Gallon
700 Sq. Feet (65m^2) at 1 mil dry (25 microns);
70-100 Sq. Feet (6.5 - 9 m^2) at recommended total dry film thickness of 7-10 mils (175 – 250 microns).
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: 2-3 mils (50-75 microns) per coat.

Recommended Dry Film Thickness: 1-1½ mils (25-37.5 microns) per coat.

Anticipated Cure Time at 77°F (25°C)/50% R.H: 24 hours to handle.

Recommended Coats: 7-10

Recoatability: With itself: 3-4 hours, 36 hours maximum without sanding or scuffing.
With Awlbrite Clear Urethane or Awlbrite Quik-Fil: 3 days minimum. M3131 can also be applied over Quik-Fil after 24 hours cure.

VOC: 404 g/lt or 3.4 lbs/gallon

Product Components, Reducers, Additives, and Auxiliary Components

Awlspar Base - Amber/Clear M3131
Awlspar Brush Reducer T0016
Awlspar Spray Reducer T0180
Equipment Cleaning ..... T0016 or Odorless Mineral Spirits

Application Equipment

Brush, roller and spray application.

SPRAY EQUIPMENT

Pressure Pot System Guns
Binks or equivalent
Spray Gun: #95
Fluid Nozzle: #63BSS (.046” Orifice Size)
Fluid Needle: #663A
Air Nozzle: #63PW
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 Guns
Binks MACH 1 or equivalent pressure pot:
Fluid Nozzle: #91 (.040" Orifice Size)
#92 (.046" Orifice Size)
Fluid Needle: #54-4382
Air Nozzle: #93P

BRUSHES AND ROLLERS
The wood should be clean, dry, smooth, and well seasoned. For best results use natural bristle brushes suitable for solvent-based products. For roller application use either foam or conventional short mohair type (such as Redtree Deluxe Mohair R-11PH) which must be solvent resistant.

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 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 Awlspar 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

New Wood Reduction: When finishing new wood reduce 100% (1 part M3131 to 1 part T0016 by volume) with T0016 for **first coat only**. This will allow the Awlspar to penetrate and seal the grain. For spray application reduce between 50-100% with T0180. Subsequent coats should be applied with 25% reduction (T0180). Brush application: thinning or reduction is not normally required (after the first coat). If desired, reduce up to 20% with T0016. **Stir only do not shake!**

Induction Time after Mixing: N/A

Anticipated Pot Life at 77°F (25°C), 50% RH: N/A

Application Instructions

Awlspar Classic Spar Varnish can be used to seal wood and build up a complete finishing system. Alternatively, **Awlbrite Quik-Fil Clear** J3901/J3902 is a clear, fast drying wood grain filler that can be used to seal the wood prior to finishing with Awlspar M3131 (4-6 coats). See the relevant product datasheets for details.
After new wood has been sealed, or on previously coated surfaces, apply light, smooth, even coats (2-3 mils wet) of full bodied material. At temperatures above 77°F (25°C), 2 to 3 coats can be applied per day. If sanding is required, allow to cure 24 hours before sanding. Best results are achieved when surface is sanded smooth with 320 -400 grit paper after every 2 to 3 coats. If building M3131 as a stand alone coating, repeat this process until the grain is filled and covered, 7-10 coats may be needed. Exact number of coats needed will vary by applied film thickness, the amount of sanding and type of wood. For the traditionalists the Ultimate Brightwork System offers excellent performance longevity: Use Awlspar M3131 to seal and provide some color to the bare wood. Apply 2-3 smooth coats. Leave to dry for 72 hours minimum at constant temperature of 77°F (25°C). In colder temperatures leave up to 7-10 days before finishing with Awlbrite Clear Urethane (available in full gloss or semi gloss finish). See the application guide and/or your Awlgrip representative for further choice in systems.

Awlspar will cure at temperatures as low as 45°F (7°C); however, best results are achieved when temperatures are between 60°F (18°C) and 90°F (32°C).

If possible avoid applying or curing the material in direct sunlight. Do not apply paint materials to surfaces warmer than 105°F or colder than 45°F (7°C). Do not attempt to cure products at temperatures below 45°F (7°C).