



# PRODUCT DATA SHEET AWL®SPAR CLASSIC SPAR VARNISH M3131

## Features & Uses

The classic varnish with excellent durability. Specifically formulated to create the highest quality of varnish. Apply 2 to 3 coats per day when temperatures are above 75°F. Excellent recoatability. Designed for brightwork where its tough, high gloss film helps protect against water and weather. Do not use below the waterline. Apply by brush or spray.

## Specification Data

Type: Phenolic Varnish

Color: Amber

Packaging: Available in quarts and pints (pints in US only)

Theoretical Coverage - Sq. Feet/Gallon; 700 Sq. Feet (65m<sup>2</sup>) at 1 mil dry (25 microns);

70-100 Sq. Feet (6.5 - 9 m<sup>2</sup>) 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/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 AWL®BRITE Clear Urethane or AWL®BRITE QUIK-FIL: 3 days minimum. M3131 can also be applied over QUIK FIL after 24 hours cure.

VOC: 404 g/ltr or 3.4 lbs/gallon

## Product Components, Reducers, Additives, and Auxiliary Components

AWLSPAR Base - Amber/Clear .....	M3131
AWLSPAR Reducer .....	T0016
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

1 East Water Street • Waukegan, Illinois 60085 • USA • Tel: 847.599.6212 • Fax: 847.599.6209

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

76 Waterway Drive • Coomera • QLD 4209 • Australia • Tel: 61.7.5573.9600 or 1800.007.866 • Fax: 61.7.5573.9677

686 Rosebank Road • Avondale • Auckland • New Zealand • Tel: 64.9.828.3009 or 0800.150.527 • Fax: 64.9.828.1129

449 Tagore Industrial Avenue • 01-03 Hong Joo Industrial Building • Singapore 787820 • Tel: 65.6453.1981 • Fax: 65.6453.1778



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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 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, 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 75°F, 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 72hrs minimum at constant temperature of 75°/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; however, best results are achieved when temperatures are between 60°F and 90°F.

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. Do not attempt to cure products at temperatures below 45°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

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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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