

Features & Uses

Awlbrite Quik-Fil Clear is a fast drying wood grain filler used to prepare wood surfaces for finishing. Quik-Fil Clear offers the ideal attributes of a build coat; great film build and adhesion, fast drying and can be recoated with itself without sanding. Awlbrite Quik-Fil Clear is suitable for applications on interior wood and must be recoated with varnishes or urethane topcoats from Awlgrip.

Specification Data

Type: Aromatic isocyanate polyurethane.

Color: Clear.

Packaging: Available in gallons and quart containers . Mixed volume 2 gallons or 2 quarts.

Theoretical Coverage: at 1½ mils (38 microns) Dry Film Thickness – Conventional Spray reduced 15%: 392ft² (9.18m²/lt). By brush (unreduced) 410ft² / gallon (9.58m²/lt).

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: 3- 3½ mils (75 – 88 microns) per coat by spray and by brush application.

Recommended Dry Film Thickness: 1 - 1½ mils per coat (25 – 38 microns) by spray and by brush application.

Number of coats: Dependant upon application and system used and also on the required finish. For open grain 1- 2 coats should be applied. For flush filled surface apply 4 – 5 coats (number of coats will depend on type and condition of the bare wood).

Anticipated drying time at 77°F/25°C: 30 minutes touch dry; 3 hours hard dry, 3 hours sandable.

Recoatability (At 77°F/25°C, 50% RH): 3 hours minimum and 48 hours maximum (with itself and others). Maximum recoat time without sanding 48 hours. Where the maximum recoat time is exceeded sand using 220 - 280 grit paper.

Recoat with Awlspar, Awlbrite Clear, Awlbrite Semi-Gloss, Awlgrip or Awlcraft 2000. See your technical representative for information on systems available.

VOC: J3901 395g/lt or 3.29lbs/gl
J3902 726g/lt or 6.06lbs/gl

Product Components, Reducers, Additives, and Auxiliary Components

Base..... J3901
Converter J3902
Reducer T0001 ,T0003, T0031
Equipment Cleaning..... T0001, T0003, T0031 or M.E.K.

Application Equipment

Conventional Spray:

Siphon or Suction Cup

Tip size : 0.070" or 1.5 mm

Atomizing pressure 50- 60 psi (3-4 bar).

Brush: for ultimate saturation of bare wood reduce 25-50% using T0031.

Surface Preparation

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

New wood: remove excess oils by using a marine teak cleaner or wood bleach. This will promote color uniformity and adhesion. Thoroughly remove all cleaner and neutralizer residue before proceeding. Sand to level the grain using 150 – 180 grit paper. Always sand in the direction of the grain. Remove any sanding residue prior to application. Awlbrite Quik-Fil Clear is not suitable for application on previously painted surfaces.

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

Mix by volume 1 part of J3901 base with 1 part of J3902 converter until a smooth, homogenous mixture is obtained. If brushing add ¼ of T0031 for the first coat (subsequent coats do not require reduction). Example: 8 oz of J3901 base, 8 oz J3902 and 4 oz of T0031.

Induction time after mixing: None

Anticipated Pot Life at 77°F/25°C, 50% RH: 3 hours.

Application Instructions

Apply by conventional spray or brush. The first coat is best applied by brush as this offers the best penetration and grain filling. Quik-Fil Clear may also be sprayed using airless equipment. Contact Awlgrip for specification.

The best finish is achieved when applying the first coat reduced 25-50% with recommended T-series reducer. Apply coats at 3- 3½ mils WFT (75 – 88 microns) yielding 1 - 1½ mils DFT (25 – 38 microns). For optimum result in obtaining a smooth and even finish sand between coats. For other system options refer to your local technical sales representative.

Warning:

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 13°C (55°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.