Product Data Sheet
Awlwood Satin Matt
OJ3810

Intended Uses
Awlwood Satin Matt is an exterior clear system that is made up of a Primer and Clear Satin Matt Finish. By combining the Primer and Clear together, the synergistic effect results in an outstanding performing system that adheres and bonds directly to the wood cellular structure giving extended performance and retaining the same gloss, DOI and natural appearance as first application.

Specification Data

Volume Solids	28%
Specific Gravity	1.02
Available Packs	1 US Quart, 1 US Gallon (EU & US only)
Equipment Cleaning	Awlwood OT0200 Brush Cleaner
Typical Shelf Life	2 years

Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Brush, Roller	1	80 µm 3.1 mil	22 µm 0.9 mil	35 µm 1.4 mil	12 m²/lt 488.9 ft²/Gal
Airless Spray	1	60 µm 2.4 mil	16 µm 0.6 mil	22 µm 0.9 mil	16 m²/lt 651.9 ft²/Gal

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.

VOC
All VOC information contained herein is theoretical (unless otherwise stated). Actual VOC content may vary by batch and when tested via standard test methodology.

Product	As Supplied (without reducer)			
	g/l	lb/gal	g/kg	lb/lb
OJ3810	742	6.19		
Awlwood Satin Matt	742	6.19		

Surface Preparation
Awlwood Satin Matt should be applied over a fully built system of Awlwood Gloss as the final coat only. Ideally at least 12 hours should elapse after the application of the last coat of Awlwood Gloss before coating with Awlwood Satin Matt. In cold temperatures, more time may be required. As a benchmark, the Awlwood Gloss should sand readily without clogging the paper before proceeding.

Hand sanding through to P600 grit paper working with the grain to give a uniform dull finish will give best results. As the matting mechanism is shrinkage caused by solvent loss, any sanding marks or texture in the substrate will clearly show.

Care should be taken to avoid sanding through multiple coats of Awlwood Gloss. This may show through in the cured coat of Awlwood Satin Matt. To remedy, best practice is to apply another full coat of Awlwood Gloss and carefully resand.

After sanding, remove sanding dust by vacuuming then warm water wash only using lint free cloths until surface is completely clean. Tack cloths are not recommended. If contamination is suspected use the two rag technique to solvent wash the surface using only Awlwood Brush Reducer or Awlwood Spray Reducer before and after sanding.

The surface preparation advice provided, and equipment suggestions, can be used as a guide. Preparation techniques and results will vary according to individual conditions, equipment choice/condition and other factors. Testing on a non-critical area should be carried out prior to full-scale preparation.Awlwood Satin Matt should be applied over a fully built system of Awlwood Gloss as the final coat only.

Mixing & Reduction
Product is single pack and a suitable viscosity for brushing, rolling and spraying directly from the can. It should never be thinned. If the viscosity is too high for easy application, the product is likely to have partially reacted with moisture and is unsuitable for use.

Do not add universal, alcohol-based thinners/reducers or any other material into Awlwood Satin Matt as cure and longevity of the product will be severely compromised.

Ensure that brushes washed with Awlwood Brush Cleaner are well rinsed with Acetone, Awlwood Brushing Reducer or Awlwood Spray Reducer before using with Awlwood Satin Matt

FOR FURTHER DETAILED INFORMATION AND ADVICE ABOUT THE AWLWOOD SYSTEM REFER TO THE AWLWOOD TECHNICAL APPLICATION BROCHURE.

Mixing and reduction requirements will vary according to individual conditions, climate, equipment choice/condition and other factors. Mixing and application of a small sample before full scale application is recommended.

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Application

Application equipment and parameters are given as a guide. Actual equipment choices will vary according to application conditions, equipment choice/condition and other factors. Testing on a non-critical area should be carried out prior to full-scale application. Contact your local technical service representative for further advice if necessary.

- Invert can and shake well in a twisting action prior to use
- Suitable application conditions: 10ºC - 30ºC, Relative humidity 30% - 90%
- Do not apply when condensation may form on uncured coating
- Awlwood Satin Matt requires humidity to cure so very low moisture content in the air will lead to longer cure times. Do not use in an air-conditioned environment. In low humidity conditions do a test area first.
- Not suitable for application in full sun or windy conditions which may lead to uneven matting. Application conditions should ideally be relatively uniform across the entire job and well ventilated without localized draughts.
- Remove the metal insert under the lid using a spade drill bit taking care to avoid damage to the rim
- Decant sufficient product for 30 minutes use into a roller tray, working pot or spray pot. Wipe the thread and seal the original container immediately to prevent moisture exposure. Screw the cap on fully. A deep working pot is preferable to one that is broad and shallow to minimize moisture exposure and maximize pot life.
- Do not tip unused product back into the can

Brush/Roller

- Rollers are the most effective means of covering large flat surfaces and tipping with a brush (with the grain) should only be done if necessary for defoaming. Edges and corners that cannot be accessed by roller should be brushed first before rolling the larger planes. Aim to minimise wet edge times.
- Apply at 12m²/L on horizontal surfaces and 16m²/L on verticals
- Synthetic bristled brushes with tapered bristles without flagged or split ends are best. The latter tend to shed excessively. Wedge shaped brush tips give best results. Use a quality foam or mohair roller well loaded with product to minimize foam entrainment.
- Brushes and rollers require meticulous cleaning before the application of final coats to avoid transfer of debris.
- If brushes are binding up with curing product during use, they can be recovered by washing with, Awlwood Brushing Reducer or Awlwood Spray Reducer.
- Aim to minimise wet edge times and do not overwork the surface. The product will de-foam and level well but tacks up relatively quickly.

Spray

- Awlwood Satin Matt can be applied by air atomized spray gun
- If spraying, meticulous care must be taken to ensure a dust and contaminant free environment
- Apply a mist coat if necessary to assist with vertical hold-up, then follow up with a coat applied with a cross spray pattern or alternatively, cross spray a single coat so that surface received two passes without the initial mist coat.
- Do not leave in spray pots between coating applications

Sanding

Awlwood Satin Matt is sandable after 12 hours at 60°F (15°C), 6 hours at 77°F (25°C) and 4 hours at 86°F (30°C). Hand sanding through to P600 grit paper working with the grain to give a uniform dull finish will give best results. As the matting mechanism is shrinkage caused by solvent loss, any sanding marks or texture in the substrate will clearly show.

Application Methods	Fluid Tip	Fluid Pressure	Fluid Flow Rate	Air Pressure
Conventional Spray	1.40 mm 55 thou	-	-	-

Recoatability & Drying Times

Awlwood Satin Matt requires overnight curing to fully flat down. The appearance often improves further over a few days. After the coating has cured, ventilating well to remove solvent is recommended. Full abrasion resistance is attained three or four days curing.

The data given for recoatability is not exhaustive. Actual recoatability can vary according to individual conditions, climate and surroundings. If unsure, consult your local technical service representative before proceeding.

Drying	15°C (59°F)	25°C (77°F)	30°C (86°F)
Touch Dry	3 Hours	2 Hours	1.5 Hours
Hard Dry	24 Hours	24 Hours	18 Hours

Please refer to your local representative or visit http://www.awlgrip.com for further information.

Warning Notes

Please ensure a risk assessment is carried out to assess the level of PPE required for the particular task undertaken when using this product.

Some sunscreens contain ‘nano grades’ of Titanium Dioxide or Zinc Oxide which when transferred from hands onto varnished exterior surfaces will accelerate UV degradation of the surface significantly.

Coating Maintenance

Do not attempt to cut and polish or wax Awlwood Satin Matt.
Clean using warm water, detergent and a soft bristled brush then rinse well with fresh water. Avoid abrasive cleaners. To remove stubborn stains with solvent, use only soft cloths and Awlwood Brushing or Spray reducer.