

Product Data Sheet

Awlwood Multi-Climate Gloss



Intended Uses

Awlwood Multi-Climate Gloss is a high performance clear coat formulated for use with other products in the Awlwood range to produce a tough, hard wearing high gloss clear finish. It has excellent flow and application properties in a range of temperature conditions with its best use in high temperature climates. Awlwood Multi-Climate Gloss may be lightly tinted with the coloured primer to attain excellent colour retention over timbers in high UV areas.

Specification Data

| | |
|---------------------------|---|
| Volume Solids | 45% |
| Specific Gravity | 1.02 |
| Available Packs | 1 US Gallon, 1 US Quart |
| Base | OJ4000 - Awlwood Multi-Climate Gloss |
| Reducer | OT0201 Brushing Reducer, OT0202 Spray Reducer |
| Equipment Cleaning | 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, Conventional Spray | 8 | 80 µm 3.1 mil | 36 µm 1.4 mil | 45 µm 1.8 mil | 12 m ² /lt 488.9 ft ² /Gal |

Note: Number of coats is minimum number required.

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.

Allow a minimum of 0.6L of Awlwood Multi-Climate Gloss per square metre assuming 100% transfer efficiency to attain the minimum film build stipulation of 250 microns (10 mil).



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 |
| Awlwood Multi-Climate Gloss | 490 | 4.09 | 480 | 0.48 |



Surface Preparation

All new and old timbers should be thoroughly sanded using minimum P120 grit sanding paper. All old, aged or bleached timber fibres must be thoroughly removed. Thoroughly degrease timber using T0202. Ensure ALL sanding dust is vacuumed out of grain.

Do not use the Awlwood Brush cleaner (OT0200), alcohol based degreasers (T0008) or chemical products for coating removal or rejuvenation of weathered timber during the Awlwood application process.

Awlwood Multi-Climate Gloss may be applied to Awlwood Primer without sanding on the same day of application once primer is touch dry. If 12 hours have elapsed since primer application, carefully sand with P400 paper or Scotch Pad#7447. Ensure all primer sanding residue is thoroughly vacuumed. If the primer is applied to oily timber, degrease the primer surface using OT0202.

The initial two coats of Awlwood Multi-Climate Gloss should be thoroughly sanded using P220 – P240. For multi-stage build coats, lightly sand at the start of each day using P220-P240 paper or Scotch Pad#7447 to provide a key. Prior to applying the final coat over both Awlwood Multi-Climate Gloss or Awlwood Gloss (as a final finishing system), the previous coat should have cured for 24 hours minimum, and be thoroughly sanded to a dull/matt finish using P400 grit sanding paper or Scotch Pad#7447

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.



Mixing & Reduction

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.

| Application Methods | Mix Ratio (Base:Converter) | Reducer | Recommended Thinning | Spraying Viscosity |
|---------------------|----------------------------|---------|----------------------|--------------------|
| Brush, Roller | - | T0201 | 10 % | - |
| Conventional Spray | - | T0202 | 10 % | - |

Thinning is not recommended when brushing, but up to 10% may be added to aid application in adverse conditions.

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

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Application

Application equipment and parameters are given as a guide. Actual equipment choices will vary according to application conditions, equipment 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.

It is important that you read all relevant available literature about Awlwood that is available on the web site awlgrip.com to ensure you fully understand all details pertaining to the use and application of all the components of the system.

Awlwood Multi-Climate Gloss cures by reacting with moisture in the air (humidity). Do not use this product in an air-conditioned environment. If the product is to be used in an environment where it is suspected that low humidity may inhibit the cure of the product, do a test patch before proceeding.

Spraying - If using the 1.2 tip thinning up to 10% using OT0202 Spray Reducer may be required. If using the 1.4 tip thinning is not recommended. Heavier coats (un-thinned) are recommended when spraying as product will flow out and "pull" flat upon curing.

| Application Methods | Fluid Tip | Fluid Pressure | Fluid Flow Rate | Air Pressure |
|---------------------|--------------------------------|----------------|-----------------|--------------|
| Conventional Spray | 1.20 - 1.40 mm 47 - 55 thou | - | - | - |



Recoatibility & Drying Times

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.

Pot Life - Awlwood Multi-Climate Gloss reacts with the humidity in the atmosphere. It is important to decant from the tin only what may be applied in 20 minutes. Do not pour unused product back into the tin. Always carefully wipe the neck of the tin and immediately screw the cap firmly shut after every use.

Awlwood Multi-Climate Gloss Coats: 1 and 2: Brush/Roller

For best adhesion and appearance, Awlwood Multi-Climate Gloss coats 1 and 2 should be applied at 24 hour intervals by brush or roller, sanding between coats. Do Not apply multiple coats on day 1 and 2. For very deep grain, a third coat after 24 hours may be desirable.

Awlwood Multi-Climate Gloss Coats (3 and above): Brush, Roll or Spray

Multiple coats can be applied each day from coat 3 onwards (up to 3 coats per day). Ensure each coat is touch dry before applying the next coat. To achieve good flow and levelling, the final coat should be applied as a single coat on the final day of application.

| Drying | 15°C (59°F) | 25°C (77°F) | 30°C (86°F) | 40°C (104°F) |
|-----------|-------------|-------------|-------------|--------------|
| Hard Dry | 24 Hours | 24 Hours | 18 Hours | 12 Hours |
| Touch Dry | 6 Hours | 4 Hours | 3 Hours | 2 Hours |
| Sandable | 12 Hours | 6 Hours | 4 Hours | 3 Hours |

| Overcoated By | 15°C (59°F) | | 25°C (77°F) | | 30°C (86°F) | | 40°C (104°F) | |
|-----------------------------|-------------|----------|-------------|----------|-------------|----------|--------------|----------|
| | Min | Max | Min | Max | Min | Max | Min | Max |
| Awlwood Multi-Climate Gloss | 8 Hours | 24 Hours | 4 Hours | 24 Hours | 3 Hours | 24 Hours | 2 Hours | 12 Hours |

At all temperatures the 24hrs max overcoating time is without sanding if not exposed to direct sunlight.



Warning Notes

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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