

# Product Data Sheet

## Awlgrip Topcoat (Spray)

G/H Line



### Intended Uses

Awlgrip Topcoat (Spray) is a two component, polyester based, light-fast, linear aliphatic polyurethane coating with long lasting gloss and colour retention, and outstanding chemical resistance. Do not use below the waterline. A low maintenance coating. Do not wax, buff, compound or polish.

### Specification Data

<b>Volume Solids</b>	33%
<b>Specific Gravity</b>	1.15
<b>Available Packs</b>	1 US Quart, 1 US Gallon
<b>Converter</b>	G3010
<b>Reducer</b>	T0001, T0002, T0003, T0005
<b>Equipment Cleaning</b>	T0001, T0002, T0003
<b>Typical Shelf Life</b>	2 years

### Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Conventional Spray, HVLP Spray	3	75 µm 3 mil	25 µm 1 mil		49 m <sup>2</sup> /lt 1996.4 ft <sup>2</sup> /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
Awlgrip Topcoat (Spray)	525	4.38		



### Surface Preparation

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.

For best results, Awlgrip colours should be applied over properly prepared 545 Epoxy Primer.. Awlgrip colours may also be applied over recently applied Awlgrip topcoats/showcoats - consult your local technical sales representative for advice. Awlgrip High Gloss Clear (G3005) can be applied over dark Awlgrip colours which have been sanded with 320-400 grit paper. Do not apply G3005 over white or pastel colours. Do not apply G3005 directly to bare wood.

The primed surface must be clean and dry. Achieving maximum gloss and distinction of image requires the primer to be smooth sanded with 280-400 grit paper before topcoat application. Using a contrasting mist coat of lacquer primer as a "guide coat" is recommended. Smooth sanding until all of the "guide coat" is removed indicates a texture free surface.



### 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
Conventional Spray	1:1 by volume	T0001	0 - 25 %	14 Seconds DIN 4 cup
Conventional Spray	1:1 by volume	T0002	0 - 25 %	14 Seconds DIN 4 cup
Conventional Spray	1:1 by volume	T0003	0 - 25 %	14 Seconds DIN 4 cup
Conventional Spray	1:1 by volume	T0005	0 - 25 %	14 Seconds DIN 4 cup

Mix by volume one part Awlgrip Topcoat base component with one part Awlcat #2 (G3010) spray converter to a smooth, homogenous mixture. Reducer addition level required to achieve 14 seconds viscosity (DIN4 or equivalent) varies colour to colour. For standard conventional spray application this can be attained by adding up to 25% reducer, using the correct spray reducer appropriate for conditions. Clear coats and painting in high temperature conditions may require additional reduction.



### 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.

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

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Apply a light, smooth, slightly wet tack coat to the surface. Allow this coat to "flash off" for 15 to 45 minutes before applying the second coat. Then apply the second coat as an almost full wet coat. Allow the second coat to "flash off" for 30-45 minutes until only slightly tacky before applying a third coat. Coats two and three are not "full, wet" coats. The third coat should be just heavy enough to obtain full hide (opacity) or colour coverage.

Typically three coats are recommended for spray applications. Spray applying certain colours may require 4 or more coats to obtain full hide (opacity) or colour coverage.

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).



#### Recoatability & 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.

Drying	25°C (77°F)			
Tape Free	24 Hours			
Light Service	3 days			
Cure Time	14 days			
Pot Life	7 Hours			

Overcoated By	25°C (77°F)					
	Min	Max				
Self	30 Minutes	24 Hours				



#### 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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