

Product Data Sheet

Awlgrip Topcoat (Spray)

G/H Line



Intended Uses

Awlgrip Topcoat (Spray) is a premium quality polyurethane high gloss finish, formulated to deliver a great appearance combined with excellent chemical resistance and hardness. Awlgrip topcoat has an easy mix ratio, and can be combined with a range of reducers for a flexible application providing incredible results.

- Easy to apply long lasting finish
- High gloss topcoat with outstanding DOI (distinction of Image)
- Wide color range available on mixitcloud.com

Specification Data

Volume Solids	40.2%
Specific Gravity	1.15
Available Packs	1 US Quart, 1 US Gallon
Converter	G3010
Reducer	T0001, T0002, T0003, T0005
Equipment Cleaning	T0001, T0002, T0003
Typical Shelf Life	Base - 3 years Converter - 1 Year

Theoretical Coverage

Application Methods	Number of Coats	Recommended Per Coat			Theoretical Coverage Per Coat (at recommended DFT)
		WFT	DFT	Max DFT	
Air Atomized	3	75 µm 3 mil	25 µm 1 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, thinning, 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 from one color to another 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	448	0.45



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 Topcoat colors should be applied over properly prepared 545 Epoxy Primer. Awlgrip Topcoat colors may also be applied over recently applied Awlgrip Topcoats/showcoats - consult your local technical sales representative for advice. Awlgrip Topcoat High Gloss Clear (G3005) can be applied over dark Awlgrip Topcoat colors which have been sanded with 320-400 grit paper. Do not apply Awlgrip Topcoat (Spray) 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
Air Atomized	1:1 by volume	T0001	0 - 25 %	14 seconds DIN 4 cup
Air Atomized	1:1 by volume	T0002	0 - 25 %	14 seconds DIN 4 cup
Air Atomized	1:1 by volume	T0003	0 - 25 %	14 seconds DIN 4 cup
Air Atomized	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 11-14 seconds viscosity DIN4 or equivalent (16-18 seconds viscosity Zahn 2) varies color to color. For standard air atomized application this can be attained by adding up to 33% reducer, using the correct spray reducer appropriate for conditions. Clear coats and painting in high temperature conditions may require additional reduction.

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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.

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				
Awlgrip Topcoat (Spray)	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.