

PRODUCT DATA SHEET
AWLGRIP® TOPCOATS G/H LINE
(Code Numbers Can be Found on Suggested List Price or Colour Card)

Features & Uses

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

Specification Data

Type: Two Component Linear Aliphatic Polyester Polyurethane.
Color: See Color Card and / or your Awlmix distributor.
Packaging: Available in 1 gallon and 1 quart containers.

Spray Application

Theoretical Coverage - Sq. Feet/Gallon

530 Sq. Feet (49m²) at 1 mil (25 microns) dry film thickness; 210 Sq. Feet (19.5m²) at recommended dry film thickness.

Coverage calculations are calculated for mixed base and converter, reduced 25% and are based on a theoretical transfer efficiency of 100%. Actual coverage rate obtained will vary according to equipment choice, application techniques, part size, and environment.

Recommended Wet Film Thickness: 6-9 mils (150-225 microns), total of 3 or more coats.

Recommended Dry Film Thickness: 2-3 mils (50-75 microns), total of 3 or more coats.

Brush/Roller Application:

Theoretical Coverage - Sq. Feet/Gallon

700-725 Sq. Feet (65-67m²) at 1 mil (25 microns) dry; 285 Sq. Feet (26m²) at recommended dry film thickness.
Awlgrip Metallic is not suitable for brush and roller application.

Recommended Wet Film Thickness: 4-5 mils (100-125 microns), total of 2 or more coats.

Recommended Dry Film Thickness: 2.0-2.5 mils (50-63 microns), total of 2 or more coats.

Anticipated Cure Time at 77°F/50% R.H: 24 hours to tape free; 3 days to light service; 14 days for full cure.

Recoatibility: Spray applications consist of three or more coats applied over 1-4 hours. Exact time will vary with temperature, project size, and film thickness applied. Brush/Roller applications require at least 2 coats applied a minimum of 16 hours apart. AWLGRIP® topcoats which have been allowed to cure more than 24 hours must be sanded before recoating.

VOC: Base: 470 g/ltr or 3.9 lbs/gallon
Spray Converter (G3010) 591g/ltr or 4.9 lbs/gallon
Brush Converter (H3002) 276 g/ltr or 2.3 lbs/gallon

Product Components, Reducers, Additives and Auxiliary Components

Awlgrip Gloss Topcoat Base	(Number from the Color Card)
High Gloss Clear Base	G3005
Awlcat #2 Spray Converter	G3010
Awlcat #3 Brushing Converter	H3002
Standard Reducer-Spray	T0003
Fast Evaporating Reducer-Spray	T0001
Very Fast Evaporating Reducer-Spray	T0002
Hot Weather Reducer-Spray	T0005
Brush/Roller Reducer	T0031
Pro-Cure Accelerator X-98	73014
Pro-Cure Accelerator X-138	73015
Griptex Non-Skid Particles-Fine	73012
Griptex Non-Skid Particles-Coarse	73013
1010 Flattening Agent	G3013
Crater-X.....	M1017
Equipment Cleaning	T0001, T0002, or T0003 or M.E.K.

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Application Equipment

Conventional air atomized spray, HVLP spray, brush or roller.

SPRAY EQUIPMENT:

Pressure Pot System:

Devilbiss or equivalent:
Spray Gun: JGA type
Fluid Nozzle: AV-645-FX
Fluid Needle Size: 1.1
Fluid Flow Rate: 170 - 270 ml/min
Air Nozzle: AV-4239-43
Gun PSI: 2.5 – 3.5 bar (36-51 psi)

Cup Gun System:

Devilbiss or equivalent:
Spray Gun: JGA type
Fluid Nozzle: AV-4239-43
Fluid Needle Size: 1.1
Air Nozzle: AV-4239-43
GUN PSI: 2.0 – 3.0 bar (29-44 psi)

Surface Preparation

For best results AWLGRIP colors should be applied over properly prepared 545 Epoxy Primer, 321 HS Undercoat or in brush/roller applications Awlquick Primer. Awlgrip colors 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 colors which have been sanded with 320-400 grit paper. Do not apply G3005 over white or pastel colors. Do not apply G3005 directly to bare wood.

Mixing & Reduction

Spray: 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 color to color. For standard conventional spray application this can be attained by adding up to 25% reducer using the correct spray reducer(s) appropriate for conditions. For example, if a 25% reduction is used, overall mix is 1:1:½ by volume (8 oz. Base, 8 oz. G3010, 4 oz. Reducer). Clear coats and painting in high temperature conditions may require additional reduction.

Brush/Roller: Mix by volume two parts Awlgrip Topcoat Base Component with one part Awlcat #3/H3002 Brushing Converter until one smooth, homogenous mixture is obtained. Reduce 10-33% with T0031. Overall mix is 2:1:½-1 by volume (8 oz. Base, 4 oz. H3002, 1.3-4 oz. T0031).

Application Instructions

General: 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.

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

Brush/Roller applications require at least two coats.

Spray application: Apply a light, smooth, slightly wet tack coat to the surface. Allow tack coat to "flash off" 15 to 45 minutes. Then apply the second coat as an almost full wet coat. Allow the second coat to "flash off" 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 color coverage.

Brush/Roller application: Some colors may not be suitable for brushing/rolling. Please contact your local representative for more information.

Apply Awlgrip Topcoat in at least two coats, allowing 16 hours between each coat. Sanding between coats with 320-400 grit paper will provide a smoother finish.

On large surfaces such as hull sides, transoms, and house sides, first roll the Awlgrip Topcoat and then smooth the roller stipple by lightly tipping the surface with a brush. This can be done with 2 painters working side by side (i.e., 1 rolling and 1 tipping), or with 1 painter rolling approximately 6 square feet and then tipping that area before rolling any further.

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Warning:

Do not apply paint materials to surfaces less than 5°F (3°C) above dew point, or to surfaces warmer than 105°F (41°C). Ambient temperature should be a minimum 55°F (13°C) and maximum 105°F (41°C).

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.