



PRODUCT DATA SHEET

Flat Black Awlgrip® Topcoat G2002

Features & Uses

A two component, polyester based, light-fast, linear aliphatic polyurethane coating in a flat finish, with outstanding chemical resistance and color retention. Do not wax, buff, compound, or polish. For use above the waterline only.

Not recommended for application to large expanses of surface as unequal gloss and appearance may result.

Specification Data

Type	Two Component Linear Aliphatic Polyester Polyurethane
Color	Black
Packaging	Available in 1 gallon and 1 quart containers.

Theoretical Coverage

Spray Application: 415 Sq. Feet (39 m²) at 1 mil (25 microns) dry film thickness; 180 Sq. Feet (17 m²) at recommended dry film thickness.

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.

* increasing wet film thicknesses on the final coat will increase the final gloss, conversely a lower film thickness will reduce the gloss.

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

Anticipated Cure Time at 77°F/25°C, 50% R.H: 24 hours to tape free; 3 to 4 days to light service; 14 to 21 days for full cure.

Recoatability (at 77°F/25°C, 50% RH): Spray applications consist of three coats applied over 1-4 hours. Exact time will vary with temperature, project size, and film thickness applied. Awlgrip topcoats which have been allowed to cure more than 24 hours must be sanded before recoating.

VOC: Base (G2002) – 557 g/lit or 4.6 lbs/gallon
Converter (G3010) – 591 g/lit or 4.9 lbs/gallon

Product Components, Reducers, Additives and Auxiliary Components

AWLGRIP Flat Black Base	G2002
AWLCAT #2 Spray Converter	G3010
Spray Reducer	T0002
PRO-CURE Accelerator X-98	73014
PRO-CURE Accelerator X-138	73015
GRIPTEX Non-Skid Particles-Fine	73012
GRIPTEX Non-Skid Particles-Coarse	73013
CRATER-X	M1017
Equipment Cleaning	T0002 or M.E.K.

Application Equipment

Conventional air atomized spray or HVLP spray.

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SPRAY EQUIPMENT:**Pressure Pot System:**

Devilbiss or equivalent:
Spray Gun: JGA type
Fluid Nozzle: AV-645-FX
Fluid Needle Size: 1.1
Air Nozzle: AV-4239-43
Fluid Flow Rate: 170 – 270 ml/min
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

Awlgrip G2002 Flat Black should be applied over properly prepared 545 Epoxy Primer or 321 HS Undercoat.

Mixing & Reduction

Spray: Mix by volume two parts AWLGRIP G2002 Topcoat Base Component with one part AWLCAT #2 (G3010) Spray Converter to a smooth, homogenous mixture. Reduce 25-33% with T0002 spray reducer. At 33% reduction the overall mix is 2:1:1 by volume (8 oz. G2002 Base, 4 oz. G3010, 4 oz. Reducer).

Application Instructions

General: The primed surface must be clean and dry. The primer must be smooth sanded with 220-320 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. Three coats are recommended for spray applications.

Spray Application: Apply a light, smooth, slightly wet tack coat to the surface. Allow tack coat to "flash off" 30-45 minutes. Then apply a full, wet coat to achieve color coverage (i.e. hide) and film thickness requirements. If preferred, three coats may be used. Allow the second coat to "flash off" 30-45 minutes until only slightly tacky before applying third coat. In three coat applications, coats two and three are not "full, wet" coats. The second coat is a slightly heavy tack coat with the third coat just wet enough to obtain full hide (opacity) or color coverage.

Warning:

Temperature Range: Optimal Surface/Ambient Temperature range is 60-95°F (18-35°C). Proper Application and/or cure results may be more difficult to achieve when conditions are outside this range. Do not apply paint materials to surfaces less than 5° F (3°C) above dew point. Do not apply paint materials to surfaces warmer than 105°F (41°C). Ambient temperature should be minimum 50°F 10°C and maximum 105°F (41°C).

Not recommended for application to large expanses of surface as unequal gloss and appearance may result.

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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