

AWLGRIP[®]

FINISH FIRST

SYSTEMS GUIDE

EUROPEAN VERSION

VOLUME 7

WWW.AWLGRIP.COM



AkzoNobel

BEYOND JUST LOOKING GOOD...

- Fully cross-linked, 2-component urethanes – such as Awlgrip – dry when the solvent evaporates, then they cure as the components react to form the urethane molecule.
- The more cross-links, the more durable the final finish; a longer cure time is needed for the coatings to reach this durable final finish. The longer cure time allows the color pigments to migrate to the substrate and a resin-rich layer forms at the surface.
- The resin-rich layer provides long-term protection for the pigment particles, improves color and gloss retention, and provides the deep gloss associated with an Awlgrip topcoat.

WHAT MAKES AWLGRIP SO SPECIAL?

The Awlgrip brand has been around since the early 70's. Awlgrip has offered proven technologies, developed for the yachting environment for over 40 years now. Today it's a world-leading brand that you can find in almost any port, any country or location. Best of all, Awlgrip has country factory representatives, and an extensive distribution network all around the globe.

Our product range has not been standing still these past 40 years, we have continuously developed and evolved our range to suit the finest boat builders, repairers & applicators requirements as their businesses have evolved.

AWLGRIP OFFERS ADDED VALUE

- ✓ Complete product line including accessory products
- ✓ Range of paint systems that are backed by Awlgrip
- ✓ Boatyard technical support by Awlgrip factory representatives
- ✓ Opportunity to attend world class training programs
- ✓ Innovative yet reliable paint systems to offer reduced labor and increased cost savings
- ✓ Repairable topcoats
- ✓ Highest gloss finish that offers the ultimate impression
- ✓ Recommended aftercare/topcoat maintenance systems
- ✓ Almost unlimited custom colors and effect finishes
- ✓ Potential for maximizing the re-sale value of the boat
- ✓ Easy to use application guidance for increased application support
- ✓ A partner that helps support builders and repairers and our future industry

Outside of our Services, Technical Expertise, our world-recognized brand support, what made Awlgrip famous is still what makes us the premier choice: Awlgrip Topcoat. The aesthetics of the Awlgrip finish cannot be mistaken.

Awlgrip = Asset Protection

BEAUTY PROTECTION



THE PROOF IS IN AWLGRIP

We are so confident of the unique gloss and premier aesthetics of a properly applied Awlgrip topcoat, that if you don't believe there is a difference, we challenge you to test your theory with your local boatyard or applicator. Have them apply Awlgrip topcoat against any other competitive product, in the same conditions, at the same time, using identically prepared panels, to their respective product application instructions, and then assess it. In a survey undertaken by Awlgrip, which required an audience to pick out their favorite panels among a series of blind tests, Awlgrip came out #1, every time. If that is the advantage, and distinction, that you want for your boat, then make sure to specify Awlgrip topcoat.

WHAT'S SPECIAL ABOUT AWLGRIP TOPCOAT?

- Perfect resin blend. Delivers superior flow and leveling so they shine like no other.
- Unique solvent blend. Currently not used by any other yacht coatings manufacturer. Unlike others, we do not use the 'standard' bulk solvents for our top of the line topcoat. Only the best will do.
- Superior longevity. This product is tough & durable. It's developed to resist "abrasive" activities like fender wear. The gloss hold-out is fantastic. Whether it's measured at 3, 5 or 10 years later...the Awlgrip shine will outlast most gelcoats and other yacht paints.
- Repairable. Conventional polyester urethanes can sometimes be difficult to repair. Awlgrip can be repaired, however like most polyester urethanes, the repaired areas will need regular maintenance to ensure gloss and durability will hold-up. This is made easier by Awlwash and Awlcare, an approved topcoat detergent and polymer sealer, which helps protect the overall paint job and keep it looking great.



THE SYSTEMATIC APPROACH

- A paint system is only as good as its adhesion characteristics.
- Any urethane topcoat including Awlgrip topcoats will not remain on the substrate without proper preparation and primer systems. The primer system creates the unmatched foundation for Awlgrip topcoats.
- Choose the topcoat for your project first, and then investigate the primer system to support the topcoat performance.
- Awlgrip offers a complete line of chemically compatible primers, fairing compounds, and surfacers to support its topcoats.

INTRODUCING THE TOP SELLING AWLGRIP TOPCOATS:

These are Awlgrip, Awlcraft 2000 and Awlcraft SE. Each topcoat has its own special features to meet the criteria for a specific project. Awlgrip, Awlcraft 2000 and Awlcraft SE can be used on prepared fiberglass, aluminum, steel and wood. The best results are achieved by following a complete Awlgrip system recommendation.

AWLGRIP

Polyester Urethane Topcoat FEATURES & BENEFITS

- High performance polyester urethane topcoat system
- Can be applied by spray or brush/roll
- Excellent color retention and chemical resistance
- Custom colors available



AWLCRAFT 2000

Acrylic Urethane Topcoat FEATURES & BENEFITS

- Premium acrylic urethane topcoat
- Superior flow-out and high gloss
- Fast drying to reduce dust entrapment
- Easy to repair
- For spray application only
- Custom colors available



AWLCRAFT SE

Special Effects Acrylic Urethane Topcoat FEATURES & BENEFITS

- Revolutionary new effect topcoat with special finish: metallic, pearl and effect pigments for design freedom
- Fast drying formulation allows multiple coats to be applied within a day reducing overall working time
- Excellent opacity - full hide in 2 coats
- Simple system is very easy to apply for a consistent finish
- Easy to repair*

* see awlgrip.com for repair guidelines



SYSTEMS ABOVE THE WATERLINE

Whether you are looking into painting a new build or if you are looking to do a refit of your current vessel – Awlgrip has a system for YOUR project. Example systems include:

Fiberglass, Gelcoat, Composite And Wood

6	TOPCOAT	Awlgrip, Awlcraft 2000 or Awlcraft SE
5	FINISH PRIMER	545 Primer or 321 HS Undercoat/ Awlquik for brush/roller
4	EPOXY SURFACER (OPTION)	High Build or Ultra Build
3	FAIRING COMPOUND (OPTION)	Awlfair LW
2	SUBSTRATE SEALER (OPTION)	Hullgard Extra Epoxy Primer
1	SUBSTRATE PREPARATION	Clean, sand, grind or blast per product specification
SUBSTRATE		

Steel & Aluminum

7	TOPCOAT	Awlgrip, Awlcraft 2000 or Awlcraft SE
6	FINISH PRIMER	545 Primer or 321 HS Undercoat/ Awlquik for brush/roller
5	EPOXY SURFACER	High Build or Ultra Build
4	FAIRING COMPOUND	Awlfair LW
3	SUBSTRATE SEALER	Hullgard Extra Epoxy Primer
2	SUBSTRATE SEALER	Max Cor CF
1	SUBSTRATE PREPARATION	Clean, sand, grind or blast per product specification
SUBSTRATE		

AWLCOAT TPC (WP101) PROTECTING YOUR INVESTMENT



Awlcoat TPC is a single component, waterbased coating that dries to form a tough, protective film that can be removed upon build completion or delivery. **Awlcoat TPC** provides excellent temporary protection against a wide range of contaminants such as dust, oil, grease, fly rust and overspray. The product will guard against most types of damage to Awlgrip products during transit, assembly and installation. Due to the nature of the very tough, continuous film, **Awlcoat TPC** is ideal where temporary measures are required to protect a new paint job. Once removed, the material can be compacted by hand to minimize volume of waste disposal!



TOPCOAT CARE

AWLWASH WASH DOWN CONCENTRATE (73234)

An effective detergent for cleaning, yet still gentle enough for frequent use on Awlgrip, Awlcraft 2000 and Awlcraft SE.

- Awlwash does not contain alkalis, acids or abrasives and is free rinsing, which decreases drying time
- Awlwash is 100% biodegradable and comes in a refillable, quart "Tip 'N' Measure" container, which makes it easy to get the proper mix ratio: One ounce/30ml of Awlwash per gallon of fresh water



AWLCARE PROTECTIVE POLYMER SEALER (73240)

Awlcare will help temporarily seal and restore shine to painted surfaces that have become porous due to age or mistreatment. Once a painted surface becomes porous it allows dirt to collect on the surface making the normal washing process more difficult. Regular applications of Awlcare will help seal the porosity, helping to maintain a satisfactory appearance until there is time to repaint.

- Awlcare contains no harsh abrasives and will not scratch the painted surface
- Awlcare leaves a non-yellowing, protective polymer coating which lasts through multiple washings
- Awlcare removes mild stains such as diesel soot and, with regular applications, increases resistance to attack from acid rain and other environmental pollutants



DO

- Wash the surface regularly with **Awlwash 73234** and water. Regular cleaning will avoid build up which can slowly attack the topcoat, prematurely ageing the coating. Use soft, non-abrasive cloths, sponges or washing mits when washing.
- AWLGRIP ONLY:** Solvents such as **Awlprep T0008**, toluene, laquer thinner, M.E.K. or kerosene may be used to soften or remove heavy build-ups of grease and grime, felt tip markings or spray paint on the topcoat.
AWL-CRAFT 2000 and AWL-CRAFT SE: Use only mild solvents to remove stubborn stains. **Awlprep T0008**, mineral spirits, xylene, kerosene and diesel fuel are acceptable for use on **Awlcraft 2000 or Awlcraft SE**.
FOR AWLGRIP, AWL-CRAFT 2000 and AWL-CRAFT SE: Apply solvents with soft clean cloths. Wipe up solvent quickly. Do not allow solvent to dry on the surface or puddle and soak into the surface. Wash these areas with **Awlwash** and water to remove solvent residue. When using solvents to remove stains, test an inconspicuous area first.
- Always thoroughly rinse surfaces with fresh water after cleaning with **Awlwash** or solvents. Latent solvent residue can attack the topcoat, while detergent residue will attract dirt.
- Use distilled white vinegar and hot water to remove stubborn salt stains. Washing with **Awlwash** after use of vinegar is recommended.
- Use **Awlcare 73240** by hand only to remove mild diesel soot stains.
FOR AWLGRIP, AWL-CRAFT 2000 and AWL-CRAFT SE: Protecting the surface with **Awlcare 73240** will help maintain the gloss of **Awlgrip, Awlcraft 2000, and Awlcraft SE**.

DO NOT

- Do not use traditional waxes.
GENERAL: Traditional waxes break down rapidly. The residue can cause the topcoat to appear yellow, plus it attracts dirt. This creates the need to maintain the wax, increasing overall maintenance. Traditional waxes which contain no abrasives probably do little harm to the coating, but offer no benefit.
AWLGRIP ONLY: Regular applications of **Awlcare** will help temporarily seal and restore shine to painted surfaces that have become porous due to age or mistreatment, helping to maintain a satisfactory appearance until there is time to repaint.
AWL-CRAFT 2000 and AWL-CRAFT SE: **Awlcare Protective Polymer Sealer** will help maintain the gloss on **Awlcraft 2000 and Awlcraft SE** topcoats with regular applications, especially those which have been buffed or polished. Remember, **Awlcare** is only applied and buffed by hand. Never apply or buff **Awlcare** with a machine.
- Do not use abrasives, scratch pads or polishing compounds. Scratching the surface gives dirt a place to cling while wearing out the resin layer. Using abrasives of any kind will reduce the overall life of the finish and voids the Awlgrip Limited Warranty.
- Do not allow contact between the **Awlgrip, Awlcraft 2000 or Awlcraft SE** Topcoat and teak cleaners. Most teak cleaners contain acids or caustic agents that stain and discolor an **Awlgrip, Awlcraft 2000 or Awlcraft SE** Topcoat.
- Do not allow metal polishes to dry on the surface of **Awlgrip, Awlcraft 2000 or Awlcraft SE**. Metal polishes may discolor and stain the painted surface. Metal polishes contain acids. Rainwater and dew running off metal fittings will spread metal polish residue onto the paint surface and will etch and dull the paint finish. Washing freshly polished metal fittings thoroughly with **Awlwash** and water can help eliminate polish residue and reduce the metal polish run off.
- Do not use strong solvents (eg. lacquer thinner, M.E.K., acetone) to clean **Awlcraft 2000, Awlcraft SE, Awlbrite Clear or Awlspar** varnish.
- Do not allow wet equipment (e.g. seat cushions, coils of line, sails, sail covers, coolers) to trap and hold moisture against Awlgrip Topcoats. This condition can result in blistering or delamination of the **Awlgrip, Awlcraft 2000 or Awlcraft SE** Topcoat.
- Do not use acrylic Teflon® products over an **Awlgrip, Awlcraft 2000 or Awlcraft SE** Finish. Use of these coatings void the Awlgrip Limited Warranty.
- Do not 'shrink wrap' or tightly bind **Awlgrip, Awlcraft 2000 or Awlcraft SE** Topcoat surfaces with plastic wrappings. The cover system, whether synthetic or natural fiber, should be ventilated to allow the coating system to 'breathe'. Do not pull the cover tight to the surface the surface painted with **Awlgrip, Awlcraft 2000 or Awlcraft SE** Topcoat. This can trap and hold moisture on the surface, resulting in loss of gloss, blistering, or delamination of the topcoat. Do not allow the cover to chafe against the painted surface, a chafing cover, especially when accompanied by airborne dirt, can abrade the surface and cause premature loss of gloss.

BRIGHTWORK



AWLSPAR CLASSIC SPAR VARNISH

- A traditional tung oil varnish that provides a rich amber finish
- Outstanding durability providing a long lasting finish
- Fast drying varnish allowing for a reduction in labor time
- Simple application characteristics making it easier to achieve a classic high gloss finish
- Excellent base for the Ultimate Brightwork system



AWLBRITE CLEAR Acrylic Urethane

- Provides tough, long lasting, high gloss durable finish
- Unique combination of light fast resins, UV inhibitors and absorbers
- Excellent flow characteristics
- Fast dry, fast recoat for quick build up and maintenance
- Compatible with Awlspaar Varnish



EXTERIOR WOOD

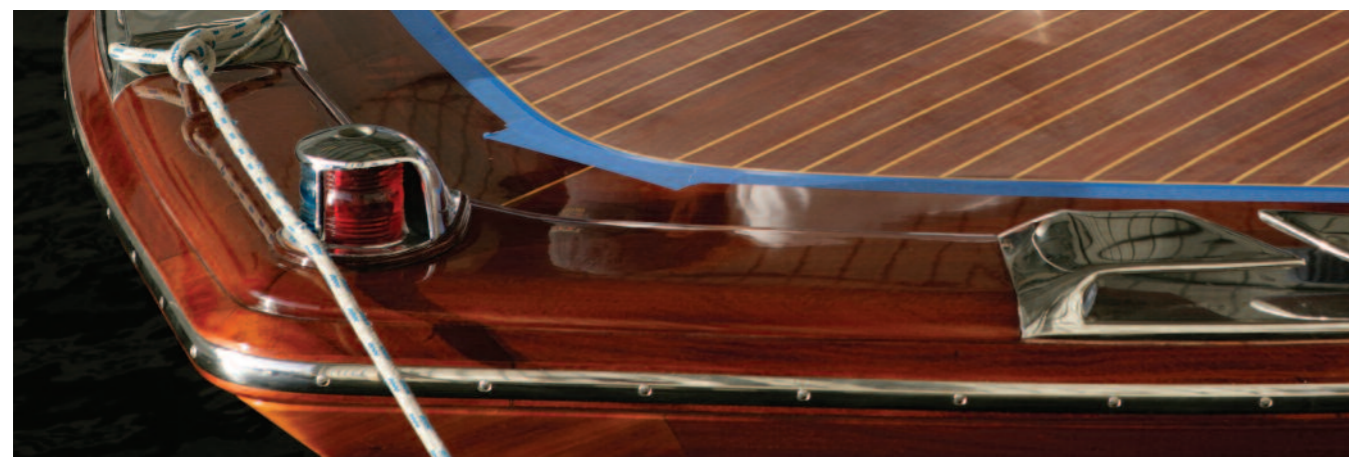
BRIGHTWORK & VARNISH - Traditional Varnish System

2 VARNISH	Apply Awlspaar (6-8 coats, as needed)
1 SUBSTRATE PREPARATION	Clean then sand (as necessary)
WOOD	

BRIGHTWORK & VARNISH - Ultimate Brightwork System

3 ACRYLIC URETHANE	Apply Awlbrite Clear Urethane (8-10 coats, as needed)
2 VARNISH	Apply Awlspaar (6-8 coats, as needed)
1 SUBSTRATE PREPARATION	Clean then sand (as necessary)
WOOD	

We have systems for interior spaces. Please contact your Awlgrip Technical Sales Representative today.



INTERIOR & EXTERIOR CLEAR COAT SYSTEMS

CLEAR-GRIP

INTERIOR CLEAR COAT SYSTEM

FEATURES & BENEFITS

- 3 stage system has fewer steps and requires fewer coats compared to many other interior systems – helps to save labor and work-cycle time
- Rapid curing and quick, easy application – helps to facilitates quick throughput
- Tailored and optimized specifically for use on the interiors of yachts – all products work together to deliver a quality, unmistakable Awlgrip finish
- Ultra clear system – allows the natural beauty of the wood to shine through
- Robust and durable – delivers superior aesthetics without impact on performance



4 FINISH COATING	2 coats Gloss
3 BUILD COATING	1 coat*
2 FOUNDATION COATING	1 coat**
1 SUBSTRATE PREPARATION	Clean and sand with 180 grit
ALL WOOD SUBSTRATES	

*Depending on applicator preference and/or the type of substrate to be coated (i.e. open-grained woods), it may be necessary to apply 2 coats of Build Coating
 ** 2 coats recommended to seal oily/resinous woods (such as teak)

AWLWOOD MA

EXTERIOR CLEAR COAT SYSTEM

FEATURES & BENEFITS

- Reduced working time system – high building, fast-curing formulation allows multiple applications per day
- Excellent application properties – applicable over a wide temperature and humidity range using a variety of methods
- Outstanding performance – system remains highly flexible throughout its lifetime allowing natural substrate movement whilst giving excellent toughness and abrasion resistance
- True system performance – primer and finish give a synergistic effect resulting in extended performance that retains the same gloss, DOI and natural appearance as first application



3 FINISH	8 coats
2 PRIMER	1 coat
1 SUBSTRATE PREPARATION	Clean and sand with no finer than 120 grit
ALL WOOD SUBSTRATES	

* Dependent upon timber absorbency, figure is given as a guide only



Both systems contain unique Flex-Link™ technology, so the products lock onto the wood structure (even tropical hardwoods) resulting in superior flexibility and unrivalled damage-resistance, yet allows the natural color and beauty of the wood shine through. This technology also creates a synergistic effect between layers that results in outstanding, long-lasting performance.

PRODUCT CHECK LIST

WIPE DOWN SOLVENTS

Awlprep Surface Cleaner	T0008
Surface Degreaser/Cleaner	T0340

CORROSION INHIBITING SURFACE TREATMENTS

Max Cor CF	
Base	R4330
Converter	R3330
Max Cor CF Aerosol	S4010
Wash Primer CF	
Base	D6600
Converter	D3300
Wash Primer CF Aerosol	S6300

PRIMERS & SEALERS

545 Epoxy Primer	
Base – Clear	D3020
Base – White	D8001
Base – Gray	D1001
Converter	D3001
Awlquik Sanding Surfacer	
Base – Pale Yellow	D8003
Converter	D9001
Quik-Grip Fast Dry Non-Sanding Primer	
Base – Gray	D8016
Converter	D3040
Hullgard Extra Primer	
Base – Off White	D6120
Converter	D3730
321 HS Undercoat	
Base – White	R8100
Base – Gray	R1100
Converter	R3100
Ultra Build Epoxy Primer	
Base – White	D8008
Converter	D3018
High Build Epoxy Primer	
Base – Off White	D8002
Converter	D3002

FAIRING & SURFACING COMPOUNDS

Awlfair LW Epoxy Trowelable Fairing Compound	
Base – White	D8200
Converter – Red	D7200
Converter – Red Fast	D7222
Awlfair Surfacing Filler	
Base	D6200
Converter	D3200
Epoxy Sprayable Fairing Compound	
Base – Tan	D6001
Converter	D3011

PRIMER REDUCERS

Standard – Spray	T0006
Brushing (545 Epoxy Primer & Awlquik)	T0031
Ultra Build	T0073

AWLGRIP & AWLCRAFT 2000 TOPCOAT REDUCERS

Fast	T0001
Very Fast	T0002
Medium	T0003
Slow – Hot Weather Retarder	T0005
Brushing (Awlgrip Topcoats)	T0031

MAINTENANCE PRODUCTS

Awlwash – Wash Down Concentrate	73234
Awlcare – Protective Polymer Sealer	73240

TOPCOATS

Awlgrip Spray	
Base	Selected from Color Card (G or H Code #)
Converter	Awlcat #2 (G3010)
Awlgrip Brush	
Base	Selected from Color Card (G or H Code #)

Converter	Awlcat #3 (H3002)
Awlcraft 2000	
Base	Selected from Color Card (F Code #)
Converter	Awlcat #2 (G3010)
Awlcraft SE	
Base	Special Base Effects (E Code #)
Converter	Awlcat #2 (G3010)

BRIGHTWORK & VARNISH

Awlbrite Clear Urethane	
Base	J3005
Converter	J3006
Activator	A0001, A0006 (Spray) / A0031 (Brush)
Awlspar Classic Spar Varnish	
Base	M3131
Reducer	T0016

INTERIOR & EXTERIOR CLEAR COAT SYSTEMS

Clear-Grip	
Foundation Coating Base	J3310
Foundation Coating Converter	J3311
Build Coating Base	J3312
Build Coating Converter	J3313
Finish Coating Gloss Base	J3314
Finish Coating Gloss Converter	J3315
Finish Coating Satin Base	J3316
Finish Coating Satin Converter	J3317
Awlwood MA	
Clear Primer	J3809
Red Tone Primer	J7809
Yellow Tone Primer	J9809
Gloss Finish	J3890

ANTIFOULING

Awlstar Gold Label Antifouling	
White Lightning	BP809
Charcoal Black	BP204
Light Blue	BP508
Deep Blue	BP507
Red	BP705
Reducer	T0101

BELOW WATER PRIMER

Hullgard Epoxy Primer	
Base	D6070
Converter	D3707
Reducer	T0006

AUXILIARY PRODUCTS

Griptex – Fine Grit Non-Skid Additive	73012
Griptex – Coarse Grit Non-Skid Additive	73013
Griptex – Extra Coarse Grit Non-Skid Additive	73237
Crater-X	M1017
Deluxe Tack Rags	73009
Pro-Cure X – 98 Fast Accelerator	73014
Pro-Cure X – 138 Inhibited Accelerator	73015
Flattening Agent for Urethane Topcoats	G3013
Cold Cure 545 Primer Accelerator	M3066
Awlcoat TPC	WP101
Awlcraft SE Repair Primer	E3001
Awlcraft SE Blending Solution	T0190
Awlcraft SE Blending Solvent	T0195

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For each of our products the relevant Product Data Sheet, Material Safety Data Sheet and package labelling comprise an integral information system about the product in question. Copies of our Product Data Sheets and Material Safety Data Sheets are available on request or from our Website: www.awlgrip.com

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