

Phenolic Modified Alkyd

PRODUCT DESCRIPTION A one pack high gloss phenolic modified alkyd varnish.

INTENDED USES A high quality varnish for both interior and exterior woodwork, where durability and abrasion resistance are required. For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

Color	HVA149-Varnish
Finish/Sheen	High Gloss
Part B (Curing Agent)	One pack
Volume Solids	45% ±2% (ASTM D2697-86)
Typical Film Thickness	1 mils dry (2.2 mils wet), 1 - 2 mils dry practical range equivalent to 2.2 - 4.4 mils wet
Theoretical Coverage	722 ft ² /US gal at 1 mils dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Conventional Spray, Roller
Flash Point	Single Pack 100°F (Setaflash) (ASTM D-3278)

Drying Information	41°F	50°F	77°F	95°F
Touch Dry [ASTM D1640 7.5.1]	4 hrs	3.5 hrs	2 hrs	60 mins
Hard Dry [ASTM D1640 7.7]	24 hrs	17 hrs	6 hrs	4 hrs

Overcoating Data - see limitations	Substrate Temperature							
	41°F		50°F		77°F		95°F	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interlac 679	24 hrs	ext	22 hrs	ext	16 hrs	ext	12 hrs	ext

REGULATORY DATA **VOC** 422 g/lit (3.52 lb/US gal) as supplied (EPA Method 24)

Note: VOC values are typical and are provided for guidance purposes only. These may be subject to variation depending on factors such as differences in color and normal manufacturing tolerances.

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SYSTEMS AND COMPATIBILITY

Consult your International Paint representative for the system best suited for the surfaces to be protected.

SURFACE PREPARATIONS

Paint only clean, dry surfaces. Remove all grease, oil, soluble contaminants and other foreign matter by "solvent cleaning" (SSPC-SP1).

Wood:

Sand bare wood smooth. Sand old gloss or semi-gloss surfaces until dull.

For new wood it is recommended that the first coat is thinned 50% with GTA004 for maximum penetration into the wood.

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APPLICATION	Application by brush or roller is preferable. Apply at 2.2 mils wet which will yield 1.0 mil dry film thickness. Consult the following equipment recommendations or utilize suitable equal.
Mixing	This material is a one pack coating. Always mix thoroughly before application.
Thinner	Not normally required. For new wood, it is recommended that the first coat be thinned up to a maximum of 50% with International GTA004 to give maximum penetration into the wood.
Airless Spray	Minimum 28:1 ratio pump; 0.013"- 0.015" (330-381 microns) orifice tip; 3/8" (9.5 mm) ID high pressure material hose; 60 mesh tip filter
Conventional Spray	DeVilbiss MBC-510 gun E tip and 704 air cap; 3/8" (9.5 mm) ID material hose; double regulated pressure tank with oil and moisture separator.
Brush	Use appropriate size China bristle brush.
Roller	Use All Purpose Roller cover with 3/8" (9.5 mm) smooth to medium nap. Prewash roller cover to remove loose fibres prior to use.
Cleaner	International GTA004
Work Stoppages and Cleanup	Clean all equipment immediately after use with International GTA004. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency will depend upon factors such as amount sprayed, temperature and elapsed time including work stoppages. Monitor material condition. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.
Welding	In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation. In North America do so in accordance with instruction in ANSI/ASC Z49.1 "Safety in Welding and Cutting."

SAFETY **All work involving the application and use of this product should be performed in compliance with all relevant national Health, Safety & Environmental standards and regulations.**

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (ie. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment.

EMERGENCY CONTACT NUMBERS:

USA/Canada - Medical Advisory Number 1-800-854-6813

Europe - Contact (44) 191 4696111. For advice to Doctors & Hospitals only contact (44) 207 6359191

R.O.W. - Contact Regional Office

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LIMITATIONS

Apply in good weather when air and surface temperatures are above 41°F. Surface temperatures must be at least 5°F above dew point. For optimum application properties, bring material to 70-80°F temperature range prior to mixing and application.

Unmixed material (in closed containers) should be maintained in protected storage between 40 and 100°F.

Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult your local International Paint representative for specific recommendations. Technical and application data herein is for the purpose of establishing a general guideline of the coating and proper coating application procedures. Test performance results were obtained in a controlled laboratory environment and International Paint makes no claim that the exhibited published test results, or any other tests, accurately represent results actually found in all field environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection, verification of performance and use of the coating. In the overcoating data section 'ext' = extended overcoating period. Please refer to our Marine Painting Guide - Definitions and Abbreviations available on our website.

UNIT SIZE	Unit Size	Vol	Pack
	1 US gal	1 US gal	1 US gal

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT	Unit Size	Unit Weight
	1 US gal	8.3 lb

STORAGE	Shelf Life	18 months minimum at 77°F. Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.
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WORLDWIDE AVAILABILITY Consult International Paint.

IMPORTANT NOTE

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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