Perfection Pro Varnish

Varnishes

High Performance Polyurethane Varnish

PRODUCT DESCRIPTION

Perfection Pro Varnish provides the ultimate in varnish finish using brush and roller application. It combines excellent chemical and abrasion resistance with superb gloss, giving a durable and outstanding result. Perfection Pro Varnish has been formulated to give it the longest possible life.

* Easy to apply 2 pack using brush and roller
* Longer service life than ordinary varnishes
* Fully compatible with oily woods like teak and iroko after adequate degreasing and substrate preparation
* Chemical cure gives resistance to fuels, oil and mild acids and alkalis

PRODUCT INFORMATION

Colour	YSC246
Finish	High Gloss
Specific Gravity	1.062
Volume Solids	49%
Mix Ratio	2:1 by volume (as supplied)
Converter/Curing Agent	YSC032
Typical Shelf Life	2 years Base, 12 months Converter
VOC (As Supplied)	481g/L
Unit Size	Base-US Gallon, Converter/Curing Agent-Half Gallon

DRYING/OVERCOATING INFORMATION

Drying

	15°C (59°F)	25°C (77°F)	35°C (95°F)
Hard Dry	36 hrs	24 hrs	12 hrs
Touch Dry	24 hrs	18 hrs	6 hrs
Pot Life	5 hrs	4 hrs	3 hrs

Note: Above drying times are indicative. Actual drying times will vary depending on wet film thickness, temperature, relative humidity, and level of thinning.

Overcoating

Overcoated By	Substrate Temperature					
	15°C (59°F)		25°C (77°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max
Perfection Pro Varnish	28 hrs	3 days	20 hrs	2 days	12 hrs	24 hrs

Note: If maximum overcoating interval is exceeded the coating must be sanded with 320-400 grade paper prior to application of Perfection Pro Varnish.

APPLICATION AND USE

Preparation

PREVIOUSLY PAINTED SURFACE:
In Good Condition: Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 320-400 grade (grit) paper.
In Poor Condition: Remove all previous coatings and prime the substrate.
PRIMING: All preparation for bare substrates is covered on the appropriate primer datasheet.
BARE WOOD: Sand smooth with 120 grade paper, followed by 240 and finally 320 grade paper. Remove sanding dust by brushing, dusting and wiping. If wiping with solvent then allow to dry completely before applying the first coat. Prime, if required, with Clear Wood Sealer or Clear Wood Sealer Fast Dry. If Clear Wood Sealer has been omitted thin the first coat by 20% with Thinner No. 100.
OILY WOODS e.g. Teak: Must be adequately degreased (Thinners No.9 is recommended) and prepared prior to application of Perfection Pro Varnish. Ensure the surface is completely dry before applying the first coat. Sand areas that are loose or flaking with 320 grade (grit) paper.

Perfection Pro Varnish can be applied over dark Perfection Pro topcoat colours which have been sanded with 320-400 grade (grit) paper. Do not apply Perfection Pro Varnish over white or pastel colours. Contact your local technical service representative for further advice if necessary.

Method

It is recommended that sanding residue is removed prior to overcoating. The use of tack rags and a reputable Wipe Down Solvent can help achieve the required level of cleanliness.

Please refer to your local representative or visit www.yacht-paint.com for further information.

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	BARE WOOD: Thin the first coat by 20% using YTA100 Thinner 100. Then apply a minimum of 6 full coats. Alternatively apply a minimum of 4 coats of Clear Wood Sealer (first coat thinned by 25%). Then apply a minimum 3 coats of Perfection Pro Varnish.
Hints	**Mixing**: Stir contents of each part prior to mixing. Add Curing Agent to the Base, stir and leave for 10 minutes to allow bubbles to disperse. **Thinner**: YTA100 **Thinning**: Thin no more than 20%. **Cleaner**: YTA910 **Spray**: DO NOT SPRAY. **Roller**: Use foam rollers. **Ventilation and Humidity Control**: Apply in dry well ventilated conditions. Avoid excessively humid conditions, over 80% relative humidity. **Other**: Best applied at 15°C. If using as a deck paint, mix in non-slip additive. Full hardness is achieved after 14 days at 15ºC/59ºF. There is no need to sand between coats 1 and 5 but sanding between coats 5 and 6 with 320-400 grit paper will provide a smoother finish.
Some Important Points	Do not use unless mixed thoroughly with the curing agent at specified ratio. Avoid painting in direct sunlight. 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). Product temperature should be minimum 15°C/59°F and maximum 35°C/95°F. Ambient temperature should be minimum 5°C/41°F and maximum 30°C/86°F. Avoid applying late in the evening as condensation can cause a loss of gloss during overnight cure. Allow to dry in a well ventilated environment. Perfection Pro Varnish is not compatible with Polyurethane Matting Additive for brush & roller application.
Compatibility/Substrates	**WOOD**: Apply over bare wood or Clear Wood Sealer Fast Dry. Ensure all sanding residues are removed before application of Perfection Pro Varnish. Will crack on carvel and clinker/lapstrake hulls. **GENERAL:** Do not use Perfection Pro Varnish on flexible constructions. Perfection Pro Varnish should not be used over any one-pack products. Not suitable for permanently immersed surfaces.
Number of Coats	**BARE WOOD:** Apply 7 coats (first coat thinned 20%) **Clear Wood Sealer Fast Dry**: 3 coats
Coverage	**Mixed Paint/No Thinner:** Theoretical coverage calculation is calculated for mixed base and converter, without reducer and is based on a theoretical transfer efficiency of 100%. (Theoretical) – 11.1m²/L per coat (Practical) – 18m²/L per coat
Recommended DFT per coat	27 microns
Recommended WFT per coat	50 microns
Application Methods	Brush, Roller, DO NOT SPRAY.

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	**GENERAL:** Exposure to air and extremes of temperature should be avoided. For the full shelf life of Perfection Pro Varnish to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35°C/95°F. Keep out of direct sunlight. **TRANSPORTATION:** The product should be kept in securely closed containers during transport and storage.
Safety	**GENERAL:** Contains isocyanates which may be harmful to the respiratory tract. Read the label safety section for Health and Safety Information, also available from our Technical Help Line. **DISPOSAL:** Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. It is best to allow paints to harden before disposal.
IMPORTANT NOTES	*The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this 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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