

Perfection Plus :

Varnishes

Varnish/Glazecoat



PRODUCT DESCRIPTION

The ultimate in varnish performance, combining excellent chemical and abrasion resistance with superb gloss. The improved formulation of Perfection Plus : contains UV filters to give it the longest possible life.

- * Up to four times longer service life than conventional 1-part varnishes
- * Can be used in combination with Perfection Finish as a glaze coat to increase flow, levelling and durability
- * Fully compatible with oily woods like teak after adequate degreasing and substrate preparation
- * Chemical cure gives resistance to fuels, oil and mild acids and alkalis

PRODUCT INFORMATION

Colour	YVA950
Finish	High Gloss
Specific Gravity	1.065
Volume Solids	45.30%
Mix Ratio	2:1 by volume (as supplied)
Converter/Curing Agent	YVA951
Typical Shelf Life	2 yrs
VOC (As Supplied)	520 g/lit
Unit Size	750 ml 2.5 Lt

DRYING/OVERCOATING INFORMATION

	Drying			
	10°C (50°F)	15°C (59°F)	23°C (73°F)	35°C (95°F)
Touch Dry	10 hrs	7 hrs	4 hrs	3 hrs
Hard Dry	24 hrs	24 hrs	16 hrs	12 hrs
Pot Life	4 hrs	3 hrs	2 hrs	1 hrs

Overcoated By	Overcoating Substrate Temperature							
	10°C (50°F)		15°C (59°F)		23°C (73°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max	Min	Max
Perfection Plus	24 hrs	4 days	14 hrs	3 days	6 hrs	2 days	4 hrs	1 days

Note: When spraying, product may be overcoated when touch dry.
If maximum overcoating interval is exceeded the coating must be sanded with 320-400 grade paper prior to application of Perfection Plus :.

APPLICATION AND USE

Preparation

PREVIOUSLY PAINTED SURFACES

In Good Condition (Two-pack only). Wash down with a suitable liquid detergent, rinse with warm fresh water and allow to dry.

In Poor Condition (Two-pack only). Remove all previous coatings and prime the substrate. All single pack material must be removed as this product must not be applied over single pack products.

BARE WOOD Wipe down surface with Polyurethane Retarder Thinner No. 9 to remove any contaminants. 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. Any sanding residue remaining on the surface can impair the finish. Prime, if required, with Fast Cure Clear.

If Fast Cure Clear has been omitted thin the first coat by 20-25% using recommended thinners.

OILY WOODS e.g. Teak Must be adequately degreased and prepared prior to the application of Perfection Plus :. Polyurethane Retarder Thinner No. 9 and Polyurethane Spraying Thinner No. 10 are suitable for degreasing purposes. Ensure the surface is completely dry before applying the first coat.

Method

It is recommended that sanding residue is removed prior to overcoating. The use of tack rags and Polyurethane Retarder Thinner No. 9 or Polyurethane Spraying Thinner No. 10 can help achieve the required level of cleanliness.

BARE WOOD: Thin the first coat by 25% using recommended thinner. Then apply a minimum of 4 full coats.

Alternatively apply minimum of 4 coats of Fast Cure Clear (first coat thinned by 25%). Then apply a minimum of 2 coats

Please refer to your local representative or visit <http://www.yachtpaint.com> for further information.

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of Perfection Plus :

Apply 1 full coat of Perfection Plus : if used as a Glazecoat over Perfection Finish. Except if used over white, off white or cream Perfection Finish, where Perfection Plus : should be blended 50:50 by volume with Perfection Finish for the final coat.

Hints	<p>Mixing Stir individual products prior to mixing. Mix the base and curing agent of Perfection Plus : together at the specified mix ratio. Add Curing Agent to the Base, stir and leave for 10 minutes to allow bubbles to disperse. Avoid using direct from the can. Pour the amount you expect to use in a separate container. Note: Any initial cloudiness will disappear upon thorough mixing.</p> <p>Thinner Polyurethane Retarder Thinner No. 9 , Polyurethane Spraying Thinner No. 10 . When spraying thin up to 25% as required with Thinner No. 10.</p> <p>Thinning Mix base and curing agent first and then thin as required. The choice of thinners will depend on ambient temperature, the spray gun set-up, application techniques and paint viscosity. As a general guide up to around 28°C Polyurethane Spraying Thinners No. 10 should suffice. Above 28°C, blends of Polyurethane Spraying Thinner No. 10 and Polyurethane Retarder Thinner No. 9 may be required, depending on the size of the object being coated.</p> <p>Conventional Spray Reduce viscosity to 14 seconds, DIN 4 cup, Zahn #2 or equivalent. Pressure: 3-4 bar/45-60 psi Tip Size: 1.0-1.4 mm. SPRAY APPLICATION - PROFESSIONAL APPLICATORS ONLY.</p> <p>Roller Use foam rollers. For best results when applying by roller, smooth off with a pad or brush.</p> <p>Other When applying Perfection Plus : by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness.</p>
Some Important Points	<p>Product temperature should be minimum 10°C/50°F and maximum 35°C/95°F. Ambient temperature should be minimum 10°C/50°F and maximum 40°C/104°F. Substrate temperature should be minimum 10°C/50°F and maximum 40°C/104°F. Avoid painting in direct sunlight. Do not use in high wind. Avoid humid conditions. Do not apply over conventional paints or flexible constructions. Do not use unless mixed thoroughly with the curing agent at specified ratio. Not suitable for permanently immersed surfaces. 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. If red Perfection Plus : is to be used then a full coat of Perfection Plus should be used as a final coat after full opacity has been achieved with the pigmented system to prevent premature loss of gloss or colour change.</p>
Compatibility/Substrates	<p>Apply over bare wood, Fast Cure Clear or sanded polyurethane finishes. Do not use on carvel/clinker/lapstrake/flexible constructions as product may crack. Do not apply over any conventional, one pack products.</p>
Number of Coats	<p>2 - 5 (First coat thinned).The number of coats should be increased if applied by roller.Total of 75 - 190 microns DFT depending on specification used.</p>
Coverage	<p>(Theoretical) - 13.3 m²/lt (Practical) - 12 m²/lt</p>
Recommended DFT per coat	<p>37 microns dry</p>
Recommended WFT per coat	<p>75 microns wet</p>
Application Methods	<p>Brush, Conventional Spray, Roller</p>

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	<p>GENERAL INFORMATION: Exposure to air and extremes of temperature should be avoided. For the full shelf life of Perfection Plus : 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.</p> <p>TRANSPORTATION: Perfection Plus : should be kept in securely closed containers during transport and storage.</p>
Safety	<p>GENERAL: Always use gloves and goggles and keep skin protected with overalls. Users should ensure they have a copy of the Material Safety Datasheet for this product and that they are familiar with all the safety directions before use. Read the label safety section for Health and Safety Information, also available from our Technical Help Line.</p> <p>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.</p>

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.