

Perfection Pro

Finishes

High Performance Polyurethane Gloss Finish



PRODUCT DESCRIPTION

Perfection Pro 2-part polyurethane is the ultimate performing topside finish, providing the most long-lasting, high-gloss finish with superb colour retention, UV protection and chemical/abrasion resistance. Formulated to enable skilled amateur users to achieve professional quality results. Also suitable for high-wear areas, i.e. decks (with Non-Slip Additive). It provides long lasting, ultra-high gloss and colour retention and excellent chemical resistance. Available in an extensive range of colours, Perfection Pro can be applied by spray or by brush and roller application and is suitable for use on any substrate. Perfection Pro has 2 specifically designed binders. One binder has been especially optimised for spray application and another for brush and roller application. They have been formulated specifically to achieve professional quality results with ease. UV filters combined with the chemical cure of the polyurethane give the longest life possible.

* Chemically resistant to diesel, petrol, oil, mild acids and alkalis.

* Perfection Pro is for Professional use only.

PRODUCT INFORMATION

Colour	Wide range of colours available (over 200 RAL equivalent and Perfection colours). Please refer to your local representative or visit https://international-yachtpaint.com for further information.
Finish	High Gloss
Specific Gravity	From 1.04 to 1.22 depending on colours.
Volume Solids	54% As supplied (varies with colours)
Mix Ratio	2:1 by volume (as supplied)
Converter/Curing Agent	Perfection Pro Curing Solution
Typical Shelf Life	2 yrs (12 months for Converter)
VOC (As Supplied)	Between 421 and 483g/lit (with the curing agent)
Unit Size	US Gallon

DRYING/OVERCOATING INFORMATION

	Drying		
	15°C (59°F)	23°C (73°F)	35°C (95°F)
Hard Dry	36 hrs	19 hrs	17 hrs
Touch Dry	17 hrs	11 hrs	7 hrs
Pot Life	5 hrs	4 hrs	3 hrs

Note: For brush and roller application @ 23°C (73°F) the following can be used as a guide: Touch Dry 30 Hrs and Hard Dry 42 Hrs. These are an indication only as figures will vary with application conditions such as temperature, humidity, thinning etc.

Overcoated By	Overcoating					
	Substrate Temperature					
	15°C (59°F)		23°C (73°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max
Perfection Pro	48 hrs	3 days	24 hrs	2 days	12 hrs	24 mths

Note: These figures are for brush and roller application.

When spraying, Perfection Pro may be overcoated when touch dry, usually between 30 - 60 minutes depending on application conditions. The maximum overcoating time by spray application is 24 hours.

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: Prime with Interprotect or Interprime 820.

STEEL: Prime with Interprotect or Interprime 820.

ALUMINIUM: Prime with Interprotect.

GRP: Wash down with Degreaser (ITA080), rinse with fresh water and allow to dry. Sweep blast or abrade with 180-220 grade paper. Then use 600 Wipe Down Solvent (ITA075). No priming necessary.

AGED/WEATHERED GELCOATS: Due to the potentially porous nature of aged/weathered gelcoats the risk of solvent/moisture entrapment after painting is much higher than when gelcoat is new. As a result this entrapment could lead to blistering of the paint film. To reduce the risk of paint film blistering it is recommended that 3 coats of Interprotect are applied to seal the gelcoat. Interprotect must be overcoated with Perfection Undercoat prior to topcoat application.

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Method	ALL SUBSTRATES: Use Perfection Undercoat. Sand the undercoat smooth with 320-400 grade (grit) wet or dry paper. wet paper can be used (400 grade) but will be more aggressive. Remove dust with a tack rag. Apply 2-3 coats.
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: Spray: 10-25°C: International Thinner YTA910 25-35°C: Blend of International Thinner YTA910/YTA100 with up to 33% YTA100 Brush/Roller: YTA100 Thinning: Spray: Thinner addition to achieve 14 - 15 seconds viscosity (DIN4 or equivalent varies colour to colour). For standard conventional spray application this can be attained by adding up to 33% thinner. Brush/Roller: Thin no more than 20%. YTA100. Cleaner: YTA910 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 15°C/59°F. For Brush and Roller application there is no need to sand between coats 1 and 2 but sanding between coats 2 and 3 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 is not compatible with Polyurethane Matting Additive for brush & roller application.
Compatibility/Substrates	Do not use Perfection Pro on flexible constructions. Will crack on carvel and clinker/lapstrake hulls. Perfection Pro should not be used over any one-pack products. Not suitable for permanently immersed surfaces.
Number of Coats	2-3
Coverage	Mixed Paint/No Thinner: Theoretical coverage calculation is calculated for mixed base and curing agent, without thinner and is based on a theoretical transfer efficiency of 100%. By Brush/Roller (Theoretical) – 20m ² /L per coat (Practical) - 18 m ² /lt per coat By Spray (Theoretical) - 13.33m ² /lt per coat (Practical) - 8 m ² /lt per coat These values are given for indication only and can vary with colours.
Recommended DFT per coat	27 microns dry by brush/roller 40.5 microns dry by spray
Recommended WFT per coat	50 microns wet by brush/roller 75 microns wet by spray
Application Methods	Spray Brush, Roller. Perfection Pro Brush and Roller can be rolled without tipping.

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	GENERAL INFORMATION: Exposure to air and extremes of temperature should be avoided. For the full shelf life of Perfection Pro 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: Perfection Pro 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.

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Remainders of Perfection Pro cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.

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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