

# Perfection Pro

## Finishes

### High Performance Polyurethane Gloss Finish



#### PRODUCT DESCRIPTION

Perfection Pro 2-part polyurethane is the ultimate performing topside finish in the International range, providing a long-lasting, high-gloss finish with superb colour retention, UV protection and chemical/abrasion resistance. Suitable for high-wear areas, i.e. decks (with Non-Slip Additive). 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 optimised for spray application and another for brush and roller application. They have been formulated specifically to achieve professional quality results with ease.

\* Perfection Pro is for Professional use only.

#### PRODUCT INFORMATION

<b>Colour</b>	Wide range of colours available (over 200 RAL equivalent and Perfection colours). Please refer to your local representative or visit <a href="https://international.yachtpaint.com">https://international.yachtpaint.com</a> for further product information or <a href="https://www.mixitcloud.com/home/yacht">https://www.mixitcloud.com/home/yacht</a> for colour inspiration.
<b>Finish</b>	High Gloss
<b>Specific Gravity</b>	1.04 to 1.22 depending on colours
<b>Volume Solids</b>	54% mixed (varies with colours)
<b>Mix Ratio</b>	2:1 by volume
<b>Converter/Curing Agent</b>	YSC032 - Perfection Pro Curing Solution
<b>Typical Shelf Life</b>	2 yrs (18 months for YSC032)
<b>VOC (As Supplied)</b>	421-483g/lit mixed
<b>Unit Size</b>	Binders - Gallon; YSC032 Converter - Half Gallon; Ready Mix Colours - Gallon/Quart (refer to distributors); YSC Tints - Gallons/Quarts.

#### DRYING/OVERCOATING INFORMATION

	Drying		
	15°C (59°F)	25°C (77°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:** Values above refer to spray application. For brush and roller application @ 25°C (77°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)		25°C (77°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max
Perfection Pro	48 hrs	3 days	24 hrs	2 days	12 hrs	24 hrs

**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

<b>Preparation</b>	<p><b>PREVIOUSLY PAINTED SURFACE:</b></p> <p><b>In Good Condition:</b> Wash down with Super Cleaner or suitable liquid detergent, rinse with fresh water and allow to dry. Abrade with 320-400 grade (grit) paper.</p> <p><b>In Poor Condition:</b> Remove all previous coatings and prime the substrate.</p> <p><b>PRIMING:</b> All preparation for bare substrates is covered on the appropriate primer datasheet.</p> <p><b>BARE WOOD:</b> Prime with Interprotect or Interprime 820.</p> <p><b>STEEL:</b> Prime with Interprotect or Interprime 820.</p> <p><b>ALUMINIUM:</b> Prime with Interprotect or Interprime 820.</p> <p><b>GELCOAT:</b> Wash down with Degreaser (ITA080) or a suitable detergent, rinse with fresh water and allow to dry. Sweep blast or abrade with 180-220 grade paper and remove all sanding dust. Apply Perfection Pro Undercoat or YRA600 Undercoat as per the technical data sheet.</p> <p><b>AGED/WEATHERED GELCOATS:</b> 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.</p>
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Please refer to your local representative or visit [www.international-yachtpaint.com](http://www.international-yachtpaint.com) for further information.

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**ALL SUBSTRATES:** Use Perfection Pro Undercoat, Interprime 880 or YRA600 (AP only) prior to topcoat application. Interprotect must be overcoated with the appropriate undercoat/primer depending on the application method prior to topcoat application. Please speak to your local sales representative for more information.

#### Method

Sand the undercoat smooth with either 320-400 grade (grit) dry paper or 400 grade wet paper which will be more aggressive. Remove sanding residue. Prior to applying 2-3 coats of top coat remove any residual dust with tack rags.

#### 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, YTA910

**Thinning:** Up to 20% with YTA100 (brush / roller). For spray application: use YTA910 (10-25°C) or blend of YTA910 / YTA100 with up to 33% YTA100 (25-35°C). Dependent upon ambient temperature, application conditions and personal preference.

**Spray:** Thinner addition to achieve 14 - 15 seconds viscosity (DIN4 or equivalent varies colour to colour). For standard air atomized application this can be attained by adding up to 33% thinner. Gravity gun 1.2 tip and needle. Compliant air cap 1.8 to 2.5 Bar. Conventional air cap 3 to 5 Bar Air pressure measured at the gun handle.

**Brush/Roller:** Perfection Pro can be applied by roller without tipping.

**Cleaner:** YTA910, YTA100

**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 Matting Additives for brush & roller application.

Ensure any mixing cups, roller trays and paint rollers are suitably solvent resistant. Non-solvent resistant plastics may contaminate the paint causing paint surface defects in the final film.

#### 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) - 20.5 m<sup>2</sup>/L per coat

(Practical) - 18.5 m<sup>2</sup>/L per coat

#### By Spray

(Theoretical) - 13.7 m<sup>2</sup>/L per coat

(Practical) - 8 m<sup>2</sup>/L 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.

### 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.

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#### **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.

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.*