

Perfection

Finishes

High Performance Polyurethane Gloss Finish Perfection is a two component epoxy primer for



PRODUCT DESCRIPTION

Perfection 2-part polyurethane is the ultimate performing, high gloss topside finish. It provides the longest-lasting, ultra-high gloss finish that has superb colour retention, together with excellent chemical and abrasion resistance. It has been formulated specifically to enable skilled amateur users to achieve professional quality results with ease. UV filters combined with the chemical cure of the polyurethane give the longest life possible.

* Hardest, abrasion-resistant finish making it an excellent choice for use on high wear areas e.g. decks (with Non-Slip Additive).

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

PRODUCT INFORMATION

Colour	YHA183-Platinum, YHA184-Med. White, YHA192-Off White, YHA194-Oyster White, YHA198-Mat'horn White, YHA216-Royal Blue, YHB000-Snow White, YHB663-Jade Mist Green, YHE294-Chilli Red, YHF991-Mauritius Blue, YHK990-Flag Blue, YHS056-Fight. Lady Yellow, YHS070-Cream, YHS187-Polar White, YHS248-Arctic White, YHS253-Pearl White, YHS299-Rochelle Red, YHS936-Lauderdale Blue, YHY999-Jet Black
Finish	High Gloss
Specific Gravity	1.17
Volume Solids	49%
Mix Ratio	2:1 by volume (as supplied)
Converter/Curing Agent	YGB001
Typical Shelf Life	2 yrs
VOC (As Supplied)	486 g/lt
Unit Size	750 ml, 2.5 lt

Note: Not all colours or pack sizes are available in all countries. Consult with your local Technical Representative for further information.

DRYING/OVERCOATING INFORMATION

	Drying			
	10°C (50°F)	15°C (59°F)	23°C (73°F)	35°C (95°F)
Touch Dry	11 hrs	7 hrs	4 hrs	3 hrs
Sandable	24 hrs	24 hrs		12 hrs
Pot Life	5 hrs	3 hrs	2 hrs	1 hrs

Note: Note: Pot life refers to the Working Pot Life. Sandable figures refer to spray application.

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	28 hrs	4 days	14 hrs	3 days	6 hrs	2 days	4 hrs	1 days

Note: Note: When spraying, product may be overcoated when touch dry.

APPLICATION AND USE

Preparation

By brush/roller:

PREVIOUSLY PAINTED SURFACES

In Good Condition Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 280-320 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.

STEEL Prime with Interprotect.

ALUMINIUM Prime with Interprotect.

GRP Wash down with Super Cleaner, rinse with fresh water and allow to dry. Sweep blast or abrade with 180-220 grade paper. 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

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are applied to seal the gelcoat. Interprotect must be overcoated with Perfection Undercoat prior to topcoat application.
ALL SUBSTRATES Use Perfection Undercoat.

By spray - Professional only:

PREVIOUSLY PAINTED SURFACES:

In Good Condition: Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 280-320 grade (grit) paper.

In Poor Condition: Remove all previous coatings and prime the substrate.

PRIMING: Substrate preparation is covered separately on the primer datasheet.

BARE WOOD: Prime with Interprime 820.

GRP: Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 180-220 grade paper.

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.

ALL SUBSTRATES: Use Perfection Undercoat or Interprime 880 prior to topcoat application. Sand the Perfection Undercoat or Interprime 880 with a minimum of 400 grade wet or dry paper. Ensure the surface is thoroughly cleaned. The use of tack rags and a reputable Wipe Down Solvent can help achieve the required level of cleanliness. During the cleaning process, wash down solvent or water must not be allowed to dry on the surface. Residues must be removed using dry paper wipes. Any sanding residue remaining on the surface can impair the finish.

Method

By Brush/Roller: Sand the undercoat smooth with 320-400 grade (grit) wet or dry paper. Remove dust with a tack rag. Apply 2-3 coats.

By spray (Professional only): For the best finish, the first coat should be applied thickly enough for even coverage and flow, but do not attempt to achieve full opacity. Do not apply a dry tack-coat first. Leave first coat until it is "touch dry". Apply a full coat. When this coat is touch dry, apply a further 1 or 2 full coats (depending on colour) to achieve full coverage. If more paint needs to be applied, wait at least another 24 hrs before proceeding, to avoid solvent entrapment.

Hints

Conventional Spray: For conventional spray applications reduce viscosity to 14s, DIN 4 cup or equivalent. Pressure: 3-4 bar. Tip Size: 1.0-1.4 mm. (For professional use only.)

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: YTA910, YTA920 (Professional only)

Brush/roller - Thinner #9 or Thinner 100 (professional only) may be used. Thin no more than 10%.

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: 10-20°C - YTA910; 18-35°C - YTA920. For fuller guidelines on thinning, consult the Professional Application Manual.

Cleaner: YTA910, YTA920

Ventilation and Humidity Control: Apply in dry well ventilated conditions. Avoid excessively humid conditions, over 80% relative humidity.

Other: If using as a deck paint, mix in Intergrip non-slip additive. Full hardness is achieved after 7-10 days at 15°C/59°F. If required, Perfection Matting Additive (YZM914) is available for use with Perfection. See Perfection Matting Additive datasheet for details on use.

Some Important Points

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. Do not use in high wind. Avoid painting in direct sunlight. 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 is to be used then a full coat of glazecoat 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.

Compatibility/Substrates

Do not use Perfection on flexible constructions. Will crack on carvel and clinker/lapstrake hulls. Perfection should not be used over any one-pack products. Not suitable for permanently immersed surfaces.

By spray: Apply only over sanded polyurethane finishes, International's Perfection Undercoat or Interprime 880 (professional only). Ensure all sanding residues are removed before application of the Perfection finish.

Number of Coats

Conventional Spray: Half coat + two full coats minimum
 2-3 by brush/roller

Coverage

(Theoretical) - 13.24 m²/L per coat
 (Practical) - 11.9 m²/L per coat

Recommended DFT per coat

37 microns dry

Recommended WFT per coat

76 microns wet

Application Methods

Brush, Roller, Conventional Spray (Professional spray application only).

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage

GENERAL INFORMATION:

Please refer to your local representative or visit www.yachtpaint.com for further information.

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Exposure to air and extremes of temperature should be avoided. For the full shelf life of this product 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 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.

Remainders of Perfection 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.