

Perfection

Finishes

High Performance Polyurethane Gloss Finish



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
Pot Life	5 hrs	3 hrs	2 hrs	1 hrs

	Overcoating							
	Substrate Temperature							
	10°C (50°F)		15°C (59°F)		23°C (73°F)		35°C (95°F)	
Overcoated By	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

APPLICATION AND USE

Preparation	<p>PREVIOUSLY PAINTED SURFACES</p> <p>In Good Condition Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 280-320 grade (grit) paper.</p> <p>In Poor Condition Remove all previous coatings and prime the substrate.</p> <p>PRIMING See primer datasheets.</p> <p>BARE WOOD/STEEL/ALUMINIUM Prime with Interprotect.</p> <p>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.</p> <p>AGED/WEATHERED GELCOATS Due to increased porosity, the risk of solvent/moisture entrapment is increased, leading to potential blistering. To reduce this risk 3 coats of Interprotect are recommended to seal the gelcoat. Interprotect must be overcoated with Perfection Undercoat prior to topcoat application.</p> <p>ALL SUBSTRATES Use Perfection Undercoat.</p>
Method	Sand the undercoat smooth with 320-400 grade (grit) wet or dry paper. Remove dust with a tack rag. Apply 2-3 coats.
Hints	<p>Mixing Stir each part individually. Add Curing Agent to the Base, stir and leave for 10 minutes to allow bubbles to disperse.</p> <p>Thinner: Thinner No 9</p> <p>Thinning: May be thinned between 5-10% to assist application.</p> <p>Cleaner: Thinner No 9.</p>

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

Other: Best applied at 15°C. For lighter colours, mix the first coat of finish 50:50 with the undercoat to improve the depth of colour and opacity. Both products should be mixed with respective curing agents first. For best results when applying by roller, smooth off with a pad or brush. If using as a deck paint, mix in 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

Do not use unless mixed thoroughly with the curing agent at specified ratio. Avoid painting in direct sunlight. 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. 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.

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.

Number of Coats

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

DO NOT SPRAY. Professional applicators looking for details on spray application should refer to the Perfection (Professional) datasheet

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage

GENERAL INFORMATION:

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.

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