

Perfection (Professional)

Finishes

Premium linear polyurethane for professional use only



PRODUCT DESCRIPTION

Perfection (Professional) 2-part polyurethane is the ultimate performing, high gloss topside finish. It provides long lasting, ultra-high gloss finish that has superb colour-retention, together with excellent chemical and abrasion resistance. It has been formulated specifically to enable users to achieve high quality whether application is by brush, roller or conventional spray. 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 Intergrip additive).

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

PRODUCT INFORMATION

Colour	YNC002-Light Base, YNC004-Snow White Light base can be tinted to pastel colours only.
Finish	High Gloss
Specific Gravity	1.17
Volume Solids	49%
Mix Ratio	2:1 by volume (as supplied)
Converter/Curing Agent	YNC007
Typical Shelf Life	2 yrs
VOC (As Supplied)	486 g/lit
Unit Size	4 lt

DRYING/OVERCOATING INFORMATION

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

Note: Pot life refers to the Working Pot Life.

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 (Professional)	Not Applicable	25 hrs	Not Applicable	20 hrs	Not Applicable	16 hrs	Not Applicable	8 hrs

Note: Overcoating times specified are for spray application.

Product may be applied wet on tacky. If recoating cured product it is recommended to lightly sand the surface.

APPLICATION AND USE

Preparation	PREVIOUSLY PAINTED SURFACES In Good Condition Wash with a suitable detergent, 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 Interprotect or Interprime 820. ALUMINIUM Prime with Interprime 820. STEEL Prime with Interprime 820. GRP Wash down with a suitable detergent, rinse with fresh water and allow to dry. Abrade with 180-220 grade paper. ALL SUBSTRATES Use YRA600 Undercoat or Perfection Undercoat prior to topcoat application. Sand all using minimum 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	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. Accelerator may be necessary at temperatures below 30°C. Consult the Professional Application Manual for recommended addition levels.
Hints	Mixing Stir contents of each part prior to mixing. Mix the base and curing agent of Perfection (Professional) together at

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the specified mix ratio. Add Curing Agent to the Base, stir and leave for 20 minutes to allow bubbles to disperse.

Thinner YTA064, YTA006

Thinning For spray application thin as required, typically up to 50% maximum. For brush application use minimum levels.

Cleaner YTA064

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

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.

Other If using as a deck paint, mix in non-slip additive. Full hardness is achieved after 7-10 days at 15°C/59°F.

Some Important Points

Ambient temperature should be minimum 10°C/50°F and maximum 40°C/104°F.

Product temperature should be minimum 10°C/50°F and maximum 35°C/95°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.

Compatibility/Substrates

Apply only over sanded two pack polyurethane finishes, International's YRA600 Undercoat or Perfection Undercoat.

Ensure all sanding residues are removed before application of the Perfection (Professional) finish.

Number of Coats

Half coat + two full coats minimum

Coverage

(Theoretical) - 13.3 m²/lt

(Practical) - 12 m²/lt

Recommended DFT per coat

37 microns dry

Recommended WFT per coat

75 microns wet

Application Methods

Conventional Spray

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 (Professional) 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 (Professional) 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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