Perfection Pro Undercoat

Undercoats

High Performance Undercoat

PRODUCT DESCRIPTION

Perfection Pro Undercoat is a fast-drying, three component, polyurethane primer specifically designed for brush, roller and spray application. Perfection Pro Undercoat has been formulated to be used under Perfection Pro Finish. Available in black and white bases the undercoat can be tinted to a suitable shade depending on the topcoat colour.

* Easy application, fast drying and easy sanding

PRODUCT INFORMATION

Colour	YSC250-White Base, YSC251-Black Base
Finish	Matt
Specific Gravity	1.62 - White, 1.51 - Black
Volume Solids	38%
Mix Ratio	3:1:0.4 (Base:Converter:Activator)
Converter/Curing Agent	YSC249 **Activators**: YSC248
Typical Shelf Life	Base & Converter -2 years, Activator - 12 months
VOC (As Supplied)	550 g/lt
Unit Size	Base - Gallon, Converter/Activator - Quart

DRYING/OVERCOATING INFORMATION

	Drying		
	15°C (59°F)	25°C (77°F)	35°C (95°F)
Touch Dry	40 mins	15 mins	15 mins
Hard Dry	8 hrs	5 hrs	3 hrs
Sandable	3 hrs	2 hrs	90 mins
Pot Life	2 hrs	90 mins	45 mins

Note: Product may skin when applied using a roller tray, this may be removed to increase usage time.

	Overcoating Substrate Temperature					
	15°C (59°F)		25°C (77°F)		35°C (95°F)	
Overcoated By	Min	Max	Min	Max	Min	Max
Perfection Pro	3 hrs	7 days	2 hrs	7 days	90 mins	7 days
Perfection Pro Undercoat	2 hrs	7 days	60 mins	7 days	60 mins	7 days

Note: For Perfection Pro topcoat the overcoating intervals refer to sanded Perfection Pro Undercoat.

APPLICATION AND USE

Preparation

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/Steel: Prime with Interprotect.
GRP: Wash down with Super Cleaner, rinse with fresh water and allow to dry. Abrade with 180-220 grade paper.
AGED/WEATHERED GELCOATS: Degrease with solvent, Super Cleaner or a suitable liquid detergent. Sand well using 180-220 grade paper. Clean thoroughly and allow to dry completely. To avoid potential pinholing, apply 3 coats of an International 2 pack epoxy primer which must be then overcoated with Perfection Pro Undercoat prior to topcoat application.
ALL SUBSTRATES: If any filling is required use the appropriate product from the International range.

Method

Stir individual components well before use. Pour curing agent into base and stir well. Apply 2-3 coats of Perfection Pro Undercoat. No sanding is required between coats. Before applying Perfection Pro Topcoat, sand Perfection Pro Undercoat with #P400 and clean with dust wipe and 600 Wipe Down Solvent (ITA075). If the maximum overcoating time is exceeded, sand with 400 grade (grit) wet or dry paper.

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Hints	**Mixing**: Mix base, curing agent and activator thoroughly at the specified ratio. **Thinning**: Thin only if necessary <10% Thinner 910 (YTA910) or Thinner 920 (YTA920). **Cleaner**: Thinner 910 (YTA910) **Ventilation and Humidity Control**: Avoid excessively humid conditions, over 80% relative humidity. **Other**: Perfection Pro Undercoat may be tinted with Perfection Pro if required. Both products should be mixed with respective curing agents first.
Some Important Points	Do not use below 15°C. Do not apply when there is a chance of condensation forming on the substrate. 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 35°C/95°F. Substrate temperature should be minimum 3°C/37.4°F above dew point and maximum 35°C/95°F.
Compatibility/Substrates	Suitable for all adequately primed substrates.
Number of Coats	**By Brush/Roller**: 2-3 **By Spray**: Spray 3 coats. Flash off 5 - 15 minutes between coats (or until surfaces become matt).
Coverage	(Theoretical) - 13.1 m²/L per coat (unthinned) **By Brush/Roller**: (Practical) – 12 m²/L per coat (unthinned) **By Spray**: (Practical) – 10m²/L per coat (unthinned)
Recommended DFT per coat	29 microns dry by brush 40 microns dry by spray
Recommended WFT per coat	75 microns wet by brush 100 microns wet by spray
Application Methods	Brush, Roller, Spray

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	**GENERAL:** Exposure to air and extremes of temperature should be avoided. For the full shelf life of Perfection Pro Undercoat to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 30°C/86°F. Keep out of direct sunlight. **TRANSPORTATION:** This product should be kept in securely closed containers during transport and storage.
Safety	**GENERAL:** 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 this product 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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