Perfection Undercoat (Professional)
Undercoats
High Performance Undercoat

PRODUCT DESCRIPTION
High performance two part polyurethane undercoat suitable for all finishes. Perfection Undercoat (Professional) is the ideal base for a long lasting scheme, when used with Perfection Finish.
* Easy application, fast drying and easy sanding
* Excellent gloss hold out of finish coats
* Semi-gloss appearance

PRODUCT INFORMATION
| Colour       | YRA003-White, YRA302-Blue |
| Finish       | Semi Gloss                |
| Specific Gravity | 1.39                      |
| Volume Solids | 50%                       |
| Mix Ratio    | 3:1 by volume (as supplied) |
| Converter/Curing Agent | YGA006               |
| Typical Shelf Life | 2 yrs                    |
| VOC (As Supplied) | 488 g/lt                |
| Unit Size    | 750 ml, 2.5 lt            |

DRIED/OVERCOATING INFORMATION

<table>
<thead>
<tr>
<th>Drying</th>
<th>5°C (41°F)</th>
<th>15°C (59°F)</th>
<th>23°C (73°F)</th>
<th>35°C (95°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch Dry</td>
<td>11 hrs</td>
<td>7 hrs</td>
<td>3 hrs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Sandable</td>
<td>48 hrs</td>
<td>30 hrs</td>
<td>16 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Pot Life</td>
<td>5 hrs</td>
<td>3 hrs</td>
<td>2 hrs</td>
<td>1 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overcoating</th>
<th>5°C (41°F)</th>
<th>15°C (59°F)</th>
<th>23°C (73°F)</th>
<th>35°C (95°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overcoated By</td>
<td>Min</td>
<td>Max</td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>Interspray 900</td>
<td>32 hrs</td>
<td>4 days</td>
<td>16 hrs</td>
<td>3 days</td>
</tr>
<tr>
<td>Perfection</td>
<td>32 hrs</td>
<td>4 days</td>
<td>16 hrs</td>
<td>3 days</td>
</tr>
<tr>
<td>Perfection (Professional)</td>
<td>32 hrs</td>
<td>4 days</td>
<td>16 hrs</td>
<td>3 days</td>
</tr>
<tr>
<td>Perfection Undercoat (Professional)</td>
<td>32 hrs</td>
<td>4 days</td>
<td>16 hrs</td>
<td>3 days</td>
</tr>
<tr>
<td>Toplac</td>
<td>48 hrs</td>
<td>ext</td>
<td>30 hrs</td>
<td>ext</td>
</tr>
</tbody>
</table>

Note: Toplac should only be applied to thoroughly sanded Perfection Undercoat (Professional).

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 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. Abrade with 180-220 grade paper.
AGED/WEATHERED GELCOATS Degrease with solvent or suitable detergent cleaner. 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 an International 2 pack undercoat prior to topcoat application.
ALL SUBSTRATES If any filling is required use the appropriate product from the Interfill range.

Method
If maximum overcoating time of previous coating/primer is exceeded, abrade using 180-220 grade paper. Remove dust with a dust wipe. Apply 1-2 coats.

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.

Please refer to your local representative or visit http://www.yachtpaint.com for further information.
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<table>
<thead>
<tr>
<th>Thinner</th>
<th>YTA910, YTA920</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaner</td>
<td>YTA910, YTA920</td>
</tr>
</tbody>
</table>

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

Conventional Spray: Thin using YTA910 or YTA920 to a viscosity of 14-18 secs through a DIN #4 viscosity cup. When using a conventional gun with a suction cup, a 1.1-1.4 mm tip is recommended. A 1.1 mm tip is recommended for a pressure fed system.

Pressure: 2.5 bar. Tip Size: 06-113.

Other: To shorten drying times, 5-10 ml of Interspray Accelerator, YQA100, may be added. Perfection Undercoat (Professional) may be tinted with Perfection if required. If more than 10% is added, the Perfection Undercoat (Professional) will become harder to rub down. Both products should be mixed with respective curing agents first. HVLP spray applications may result in reduced dry film thickness. Specified scheme DFT's must be achieved for full performance to be realised.

Some Important Points
Not suitable for permanently immersed surfaces. Do not use unless mixed thoroughly with the curing agent at specified ratio. Product temperature should be minimum 5°C/41°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 5°C/41°F and maximum 35°C/95°F.

Compatibility/Substrates
Will crack on carvel and clinker/lapstrake hulls. Perfection Undercoat (Professional) should be applied over cured epoxy primers or fillers or onto cured GRP/Composite. It should not be used over any one pack products.

Number of Coats
1-2

Coverage
(Theoretical) - 10 m²/lt
(Practical) - 6 m²/lt by spray, 9 m²/lt by brush

Recommended DFT per coat
50 microns dry by spray

Recommended WFT per coat
100 microns wet by spray

Application Methods
Conventional Spray, Air Assisted Airless, 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 Undercoat (Professional) 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 Undercoat (Professional) should be kept in securely closed containers during transport and storage.

Safety
GENERAL:
Contains isocyanates which may be harmful to the respiratory tract. Perfection Undercoat (Professional) should be used in a controlled atmosphere. Overspray can cause skin irritation or respiratory problems.

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 Undercoat (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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Ref: 4657 Perfection Undercoat (Professional) Issue Date: 15/12/2014