ESSS Single Stage Polyurethane Enamel is a two-component topcoat designed to offer good gloss with a wide array of solid and metallic colors. It is available as a 2.8 VOC topcoat and can be used over all properly prepared OEM finishes, cured air-dried finishes, as well as any Delfleet Essential Primer.

### Additional Products
- Essential Color: ESSS
- Hardener: ESH200
- Fast Activator: ESX500
- Standard Activator: ESX510
- Slow Activator: ESX520
- Extra Slow Activator: ESX540

### Compatible Surfaces
ESSS may be applied over:
- Properly cleaned and sanded OEM enamels and cured finishes
- ESU400
- ESU410
- ESU420/ESU421
- ESU430

When sanding prior to the application of ESSS topcoat, use 220 – 320 grit wet or dry.

### Selection of Substrate Cleaner
<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>DX436</td>
<td>Wax &amp; Grease Remover</td>
<td>Suitable for removing dirt, grease or other contaminants before or during the painting process.</td>
</tr>
<tr>
<td>DX437</td>
<td>Heavy-Duty Wax &amp; Grease Remover</td>
<td>Used to remove heavy milling oils and grease from bare substrates prior to the painting process.</td>
</tr>
</tbody>
</table>
### Application Guide

#### Mixing Ratio:

- 6 : ESSS
- 1 : ESH200
- 1 : ESX500/510/520/530/540

#### Spray Viscosity:

- #2 Zahn Cup
  - 20 – 30 seconds

#### Spray Gun Setup:

- **HVLP**
  - Fluid Tip: 1.3 – 1.7 mm
  - Air Pressure: 8 – 10 PSI at the cap
- **Conventional**
  - Fluid Tip: 1.3 – 1.7 mm
  - Air Pressure: 50 – 60 PSI

#### Number of Coats:

Two coats with 10 minute flash between coats.

#### Dry Times:

- Dust-free: 30 – 60 minutes
- Tape Time: 2 – 4 hours at 68°F (20°C)
- 30 minutes at 140°F (60°C)
- Overcoat/Recoat: 72 hours at 70°F (21°C)

#### Performance Comments:

Wash and Etch primers must be sealed before applying topcoat for optimum performance.

#### Physical Characteristics:

<table>
<thead>
<tr>
<th>Package VOC Actual</th>
<th>1.95 – 2.5 lbs/gal (234 – 300 g/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package VOC Regulatory</td>
<td>2.71 – 2.82 lbs/gal (325 – 338 g/l)</td>
</tr>
<tr>
<td>6:1:1 RTS VOC Regulatory</td>
<td>2.65 – 2.80 lbs/gal (318 – 335 g/l)</td>
</tr>
<tr>
<td>Total Solids By Weight (RTS)</td>
<td>53.0% – 65.0%</td>
</tr>
<tr>
<td>Total Solids By Volume (RTS)</td>
<td>47.0% – 53.0%</td>
</tr>
</tbody>
</table>

#### Health and Safety

Please refer to Material Safety Data Sheets (MSDS) for full health safety details and storage regulations.

Emergency Medical or Spill Control Information (412) 434-4515; in Canada (514) 645-1320.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and not to be construed as representations or warranties as to performance, results or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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