Delta® DUHS is a high solids, single stage, 3.5 VOC polyurethane designed to produce a tough, high gloss finish on larger fleet units or where force-dry capability is desired. Available accelerator and potlife extender make DUHS adaptable to shop conditions. DUHS is available in a wide range of solid, metallic, OEM and custom colors. DUHS gloss may be adjusted by using DX595 Flattening Base. DUHS is produced using high strength DMHS universal mixing toners.

### Features
- Excellent hiding power
- Adjustable gloss
- Excellent force dry characteristics
- Excellent film properties

### Advantages
- Fewer coats
- Versatility
- Faster through-cure
- Withstands severe environments

### Benefits
- Labor savings
- Less product inventory
- Quicker delivery
- Longer repaint cycles

### Compatible Surfaces
Delta® DUHS may be applied over:
- DX1793 Chrome Free Self Etching Primer
- DPHS52 Low VOC Primer
- DPU174 High Solids Polyurethane Primer
- DPU166 High Solids Chromate Primer
- 2.8 VOC Max
- OEM Enamels
- Cured Air Dry Finishes

If sanding prior to the application of DUHS, use 240-600 grit wet or dry.

<table>
<thead>
<tr>
<th>Hardener</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Urethane Hardener</td>
<td>DDH526</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Additive</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerator</td>
<td>DX39</td>
</tr>
</tbody>
</table>
Mixing Ratio:

DUHS : DDH526 + DX39

2 parts : 1 part + 6 oz./RTS gallon

Pot life:

2 hours @ 70°F and 50% RH
(High heat and humidity will shorten pot life)

Additives:

Accelerator: No Recommendation
Extender: No Recommendation
Fisheye: No Recommendation
Flex: No Recommendation
Flattening: DX 595 (See Flattening Ratio)

Flatting Ratio:

(60° Gloss Meter)

Gloss Range

DUHS Color

DX595

DRS Reducer*

DDH526

Low Gloss

10-20

1 part

1 part

1/4 part

1 part

Semi Gloss

40-65

2 parts

1/2 part

1/4 part

2 parts

Pot Life: 2 hours @ 70°F and 50% RH
*Reduce with DRS1460, DRS1470, DRS1485, DRS1495 Reducer, best suited to shop temperatures.

Spraygun set-up:

Fluid Tip

1.0 - 1.4 mm for Pressure Feed/HVLP
1.3 - 1.7 mm for Conventional Feed/HVLP

Air Pressure

HVLP at air cap 10 PSI
Conventional at spray gun 45-60 PSI

Consult the Fleet Training Manual Spray Equipment Section for gun set-up requirements.

Minimum number of coats:

2 coats or until hiding is achieved

Total film build per coat:

<table>
<thead>
<tr>
<th></th>
<th>Wet</th>
<th>Dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>1.5 mils</td>
<td>.8 mils</td>
</tr>
<tr>
<td>Maximum</td>
<td>2.0 mils</td>
<td>1.0 mils</td>
</tr>
</tbody>
</table>

Flash Time at 70°F:

Between coats 10-15 minutes
Before force drying 10 minutes
### Drying times:

<table>
<thead>
<tr>
<th></th>
<th>Air Dry @ 70°F</th>
<th>Force Dry**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dust</strong></td>
<td>1 hour</td>
<td>Flash 10 minutes</td>
</tr>
<tr>
<td><strong>Tack</strong></td>
<td>1.5 hours</td>
<td>30 minutes @ 120°F</td>
</tr>
<tr>
<td><strong>Tape</strong></td>
<td>5 hours</td>
<td>10 minutes @ 180°F</td>
</tr>
</tbody>
</table>

** Force drying times are for quoted surface temperature. Additional time should be allowed in the force drying schedule to allow surface to reach recommended temperature.

### Recoat time:

10 – 15 minutes minimum dry and up to 7 days maximum at 70°F before sanding is required.

### Repair time:

8 hours @ 70°F Air Dry
30 minutes after force dried/cool down period.

### Polish:

24 hours @ 70°F

### Optional Clearcoating:

Minimum dry 2 hours @ 70°F up to 7 days. After 7 days, sanding is required.

### Physical Characteristics:

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volume Ratio:</strong></td>
<td>Package color</td>
<td>2 : 1 + 6 oz RTS gal</td>
<td>1 : 1 : ¼ : 1</td>
<td>2 : ½ : ¼ : 2</td>
</tr>
<tr>
<td><strong>Applicable Use Category</strong></td>
<td>Single-Stage Ctg</td>
<td>Single-Stage Ctg (Low Gloss)</td>
<td>Single-Stage Ctg (Semi Gloss)</td>
<td></td>
</tr>
<tr>
<td><strong>VOC Actual (g/L)</strong></td>
<td>283 – 373</td>
<td>359 – 417</td>
<td>368 – 395</td>
<td>373 – 411</td>
</tr>
<tr>
<td><strong>VOC Actual (lbs/gal)</strong></td>
<td>2.36 – 3.11</td>
<td>3.00 – 3.48</td>
<td>3.07 – 3.30</td>
<td>3.11 – 3.43</td>
</tr>
<tr>
<td><strong>VOC Regulatory (less water less exempt) (g/L)</strong></td>
<td>283 – 373</td>
<td>359 – 417</td>
<td>368 – 395</td>
<td>373 – 411</td>
</tr>
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<td>3.00 – 3.48</td>
<td>3.07 – 3.30</td>
<td>3.11 – 3.43</td>
</tr>
<tr>
<td><strong>Density (g/L)</strong></td>
<td>985 – 1385</td>
<td>986 – 1242</td>
<td>987 – 1111</td>
<td>983 – 1152</td>
</tr>
<tr>
<td><strong>Volatile wt. %</strong></td>
<td>25.5 – 36.3</td>
<td>32.9 – 41.3</td>
<td>35.2 – 39.6</td>
<td>35.2 – 41.1</td>
</tr>
<tr>
<td><strong>Water wt. %</strong></td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Exempt wt. %</strong></td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Water vol. %</strong></td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
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<tr>
<td><strong>Exempt vol. %</strong></td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Solids vol. %</strong></td>
<td>N/A</td>
<td>50.5% (Avg.)</td>
<td>50.5% (Avg.)</td>
<td>50.5% (Avg.)</td>
</tr>
<tr>
<td><strong>Sq. Ft. coverage</strong></td>
<td>N/A</td>
<td>810 Sq. Ft. (Avg.)</td>
<td>810 Sq. Ft. (Avg.)</td>
<td>810 Sq. Ft. (Avg.)</td>
</tr>
</tbody>
</table>

(1 mil per RTS US gallon, 100% transfer efficiency)
See Material Safety Data Sheet and Labels for additional safety information and handling instructions

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 are 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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PPG Industries
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc., Unit #6
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
1-888-310-4762