**Concept® LV Acrylic Urethane**

**CLV**

**CONCEPT® LV (CLV) Acrylic Urethane** is a premium quality, single-stage, two component refinish product designed to spray at 3.5 VOC. It is available only in single-stage solid colors and can be used over all properly prepared OEM finishes and cured air dried finishes.

**CONCEPT® LV Color** is designed for use in standard air dry, high air flow or downdraft booths and force dry booths. **CONCEPT® LV Color** can be used for spot, panel, and overall repair plus offers the option of being clearcoated if desired.

**Features**
- Excellent Color Match
- Can Be Air Dried or Force Dried
- Premium Gloss

**Advantages**
- Invisible Repairs
- Versatile
- Matches Luxury Car Finishes

**Benefits**
- Can Match Virtually Any Color
- 3.5 VOC

**Compatible Surfaces**

**CONCEPT® CLV may be applied over:**
- Cured Air Dry Finishes (must be sanded and lacquers must also be sealed)
- OEM Basecoat/Clearcoat (must be sanded)
- OEM Enamels (must be sanded)
- OEM & Refinish Lacquers (must be sanded & sealed)
- DPX170/171 Non Chrome Self Etching Primer (must be sealed or primed afterward)
- DPX801 Universal Plastics Adhesion Promoter – See P-194 for detail
- DS1002 UV Primer
- NCP270/NCP271 Corrosion Resistant Primer (not in Rule 1151 area)
- NCP280 Corrosion Resistant Primer
- NCS1990 Wet-on-Wet Sealer (not in Rule 1151 area)
- SU4903 Advanced Plastic Bond - See OC-1
- SUA4903 Advanced Plastic Bond - See OC-1
- SX/SXA1050 Adhesion Promoter
- SX1056 Flexible 2K Sealer
- SX1057 Flexible 2K Surfacers
- SX1080 2K Rollable Surfacers LV
- V-SEAL™ LV DSLV302x Acrylic Urethane Sealer
- V-Prime™ LV DPLV305x Acrylic Urethane Surfacers

**Required Products**

<table>
<thead>
<tr>
<th>Hardener</th>
<th>DCX61</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cool Temperature (60 - 70°F / 16 - 21°C)</strong></td>
<td>DT1845</td>
</tr>
<tr>
<td><strong>Medium Temperature (65 - 80°F) (18 - 27°C)</strong></td>
<td>DT1850</td>
</tr>
<tr>
<td><strong>Hot Temperature (75 - 90°F / 24 - 32°C)</strong></td>
<td>DT1855</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extender</th>
<th>DX87</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerator</td>
<td>DX84</td>
</tr>
</tbody>
</table>
Directions for Use

Surface Preparation:

- CLV colors are designed to be applied over properly cleaned, sanded and primed surfaces. See the Compatible Surfaces section for an appropriate primer.
- Wash painted surfaces thoroughly with soap and water to remove water-soluble contaminants. Then clean with appropriate DX Cleaner (see P-178) or SX1005 0.4 VOC Cleaner.
- Sand with 400-600 grit sandpaper or equivalent.
- Re-clean with DX Cleaner or SX1005 0.4 VOC Cleaner. Prime or seal as needed.

Mix Ratio:

Standard Ratio

<table>
<thead>
<tr>
<th>CLV Color :</th>
<th>DCX61 :</th>
<th>DT Exempt Reducer :</th>
<th>DX84/DX87</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 : 1 : 5-10% : 1 oz.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Add 5% – 10% by volume DT Exempt reducer. Select the appropriate exempt reducer for the application temperatures inside the shop.

Flexible Ratio

If the part is on the vehicle, no flex agent is needed. If the part is off the vehicle, mix CONCEPT® LV Color using the below ratio:

<table>
<thead>
<tr>
<th>CLV Color :</th>
<th>DT Exempt Reducer :</th>
<th>DCX61 :</th>
<th>Hardener :</th>
<th>SLV814 Flexibilizer :</th>
<th>DX84 or DX87</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 : 1 : 2 : 1 + Up to 1 oz per RTS qt.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PotLife: Standard Ratio, 1 – 2 hours at 70°F (21°C)
Flexible Ratio, 1 hour at 70°F (21°C)
For best pot life, add hardener last.

Tinting:

CLV Color may be tinted with other CLV Colors only.

Additives:

DX84 Accelerator or DX87 Extender must be added, 1 oz per RTS quart of CLV color. Choose the additive combination based on the conditions below:

- Air Dry Up to 75°F (24°C): Add 1 oz. DX 84
- Baking or Air Dry 75°F (24°C) and Above: Add 1/2 oz DX 87 and 1/2 oz DX 84

DX 73 Fisheye Eliminator, when necessary, can be used in CLV Color up to 1/2 ounce per RTS quart.

Spraygun Set-up:

Apply: 2 – 3 coats or until hiding is achieved
Fluid Tip: 1.3 – 1.5 mm or equivalent
Air Pressure: 10 PSI at the cap for HVLP guns
45 – 55 PSI at the gun for conventional guns
Directions for Use

Drying Times:

- Between Coats: 3 – 7 minutes
- Dust Free: 50 – 70 minutes
- Tack Free: 2 – 3 hours
- Air Dry: 6 – 8 hours at 70°F (21°C)
- Purge Time: 0 – 10 minutes
- Force Dry: 40 minutes at 140°F (60°C)
- 20 minutes at 160°F (71°C)
- IR (Infrared)
  - Medium Wave: 10 – 15 minutes depending on color
  - Short Wave: 8 minutes depending on color

Blending:

CLV Color may also be blended by taking the CLV Color that you have in your gun cup and reduce the mixture with an equal amount of DX840 Blend Ease. Apply this “over” reduced material to the dry edges. If additional blending is necessary, reduce the blend mixture with another equal part of DX830.

Polishing:

After 24 hours @ 70°F (21°C) solid colors can be sanded with 1200 - 2000 grit sandpaper and compounded. In all cases, use a fine compound and polishing pad. (See DRX Formula Finishing Systems Bulletin P-179).

Note: If sanding and/or polishing is required, an extra coat of CONCEPT® LV Color is recommended.

Repair and Recoat:

Allow to dry 8 hours @ 70°F/21°C or force dry for 40 minutes at 140°F (60°C) and allow to cool before sanding. Additional coats of primer, color, or clear may then be applied.

Clearcoating:

The exceptional gloss of CONCEPT® LV Color will likely eliminate the need for clearcoating. However, if a clearcoat is desired; DCU 2035 3.5 VOC Clear or DCD 35 3.5 Compliant Clear may be applied after 1 hour dry, but not longer than 36 hours over CONCEPT® LV Colors. After 36 hours CLV must be sanded before applying clearcoat.

Technical Data:

<table>
<thead>
<tr>
<th>RTS Combinations:</th>
<th>CLV : DCX61 + DT18XX + DX84/DX87</th>
<th>CLV : DRTS CT18XX : DCX61 : SLV814 + DX84 or DX87</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Ratio:</td>
<td>Package Color (as is)</td>
<td>2 : 1 + 10% + 1 oz/qt</td>
</tr>
<tr>
<td>Applicable Use Category</td>
<td>Single-Stage Ctg</td>
<td>Single-Stage Ctg</td>
</tr>
<tr>
<td>VOC Actual (g/L)</td>
<td>452 - 515</td>
<td>330 - 371</td>
</tr>
<tr>
<td>VOC Actual (lbs/gal)</td>
<td>3.77 - 4.30</td>
<td>2.76 - 3.10</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (g/L)</td>
<td>452 - 515</td>
<td>364 - 419</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (lbs/gal)</td>
<td>3.77 - 4.30</td>
<td>3.04 - 3.50</td>
</tr>
<tr>
<td>Density (g/L)</td>
<td>1005 - 1353</td>
<td>1045 - 1255</td>
</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>8.39 - 11.29</td>
<td>8.72 - 10.47</td>
</tr>
<tr>
<td>Volatiles wt. %</td>
<td>33.4 - 49.3</td>
<td>35.1 - 44.7</td>
</tr>
<tr>
<td>Water wt. %</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Exempt wt. %</td>
<td>0.0</td>
<td>8.7 - 10.4</td>
</tr>
<tr>
<td>Water vol. %</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Exempt vol. %</td>
<td>0.0</td>
<td>9.0</td>
</tr>
</tbody>
</table>
Important:

The contents of this package must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

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

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