LV Elast-O-Actif

Description
Car body parts made of deformable plastics require special flexible paints. Use of LV Elast-O-Actif will greatly improve the flexibility and impact resistance to such an extent that the coatings can tolerate deformation of the plastic part without cracking or chipping.

100:10
- Autoclear Superior 250
- LV Elast-O-Actif
Use the Sikkens Measuring Stick #14 (Blue)

3:2:1
– Autoclear Superior 250 with LV Elast-O-Actif
– Autoclear Superior 250 Hardener
– Autoclear Superior 250 Reducer
Use the Sikkens Measuring Stick #250 (Green)

2x1
HVLP–Gravity 1.3–1.4 mm
max 10 psi (air cap)
3-5 minutes at 70°F (20°C)

5 hours at 70°F (20°C)
25 minutes at 140°F (60°C)

Use suitable respiratory protection
AkzoNobel Car Refinishes recommends the use of a fresh air supply respirator

Read complete TDS for detailed product information
**Description**

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**Product**

LV Elast-O-Actif

**Basic raw materials**

Special polyester resin

**Suitable surfaces**

- Untreated plastic parts: clean with Sikkens Anti-Static Surface Cleaner or an appropriate VOC compliant cleaner. After proper identification and preparation, untreated plastic parts must first be primed with an elastomeric coating such as Plastoflex Primer, Primer PO or Colorbuild 2.1-2.8 Primer Sealer with All Plastic Primer reducer: a special reducer for use with Colorbuild 2.1-2.8 Primer Sealer for application on previously unpainted plastic parts. Also to increase the flexibility for use on plastic parts.

Please see the Technical Data Sheet relative to the product chosen.

- Pre-painted plastic parts should be treated as an existing finish. After sanding and cleaning, apply topcoat mixed with LV Elast-O-Actif.

**Mixing ratio**

Mix 100 parts by volume of Product

33 parts by volume LV Elast-O-Actif

For easy and accurate mixing, use the Sikkens Measuring Stick #9 (Grey)

After adding LV Elast-O-Actif to the top coat, this material must be further prepared as follows:

Mix 100 parts by volume of topcoat with LV Elast-O-Actif

50 parts by volume Autocoat LV Hardener Fast, Standard or Slow

25 parts by volume of Autocoat LV Reducer.

For easy and accurate mixing, use the Sikkens Measuring Stick #11 (Blue)

**Note:** As in the example above, LV Elast-O-Actif should always be added prior to hardener or reducer.

**Suitability**

LV Elast-O-Actif is suitable to be added to the following products:

- Colorbuild 2.1-2.8 - Autoclear II LV
- Autocoat LV - Autoclear Superior 250
- Autocoat HS + LV - Autowave

Depending on the flexibility of the plastic parts, we differentiate between the following categories:

1. Hard Plastic Parts i.e., Mirror covers, rear spoilers (xenoy alloy)
2. Flexible Parts i.e., Bumper covers, Lexus cladding parts
3. Soft Parts i.e., Rear spoilers (foam)
Below is a table describing the various products that may be applied to hard, flexible and soft plastic parts.

<table>
<thead>
<tr>
<th>Hard Parts</th>
<th>Flexible Parts</th>
<th>Soft Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer PO or Plastoflex Primer (for untreated plastics)</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Colorbuild 2.1-2.8 Primer Surfacer with 33% LV Elast-O-Actif:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorbuild 2.1-2.8 Primer Sealer with 33% LV Elast-O-Actif:</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Colorbuild 2.1-2.8 Primer Surfacer with 50% LV Elast-O-Actif:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autocoat LV</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Note: Do not use LV Elast-O-Actif in Autobase Plus. In the case of application of Autobase Plus on soft (foam) spoilers it is necessary to add 10% Autoclear II LV Hardener or Autoclear HS + LV Hardener to the base coat before continuing to add Autobase Plus Reducer.

**Application method**

Application method will not change by adding LV Elast-O-Actif to the products. For correct application and drying times, please refer to the appropriate Technical Data Sheet.

**Stock keeping**

- **Color:** Clear
- **Container size:** 1 quart (946 ml)
- **Shelf life:** One year if stored at room temperature in original container.

**Safety aspects**

- **Ready to Spray VOC**
  - Colorbuild 2.1-2.8 Primer Surfacer / 33% LV Elast-O-Actif: 1.76 lb/gal 211 g/liter
  - Colorbuild 2.1-2.8 Primer Sealer / 33% LV Elast-O-Actif: 2.50 lb/gal 300 g/liter
  - Colorbuild 2.1-2.8 Primer Surfacer / 50% LV Elast-O-Actif: 1.75 lb/gal 210 g/liter
  - Autocoat LV / 33% LV Elast-O-Actif: 3.40 lb/gal 408 g/liter
  - Autoclear II LV / 33% LV Elast-O-Actif: 1.65 lb/gal 198 g/liter
  - Autoclear HS + LV / 10% LV Elast-O-Actif: 1.90 lb/gal 228 g/liter
Notice: Do not handle until the Material Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.

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IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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