1. FIELD OF APPLICATION

Solvent-based, ester based printing ink series for, un-lacquered or PVDC-pre-lacquered aluminium and PVC.

2. PROPERTIES

• Free from phthalates
• Suitable for food packaging and the pharmaceutical films
• Adhesion is also possible on un-lacquered aluminum
• Sealable of approx. 130° C
• Ink film can be glued with appropriate adhesives as well as thermoshrinking and thermoforming
• The ink series corresponds to the provisions of Regulation (EC) No. 1935/2004 when properly used.

3. RANGE OF COLOURS

<table>
<thead>
<tr>
<th>Colour</th>
<th>Density*</th>
<th>Solid content*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>0/116314 XPV</td>
<td>0.996</td>
</tr>
<tr>
<td>White</td>
<td>0/116326 XPV</td>
<td>1.025</td>
</tr>
<tr>
<td>Yellow</td>
<td>3/116325 XPV</td>
<td>0.974</td>
</tr>
<tr>
<td>Red</td>
<td>8/116327 XPV</td>
<td>0.976</td>
</tr>
<tr>
<td>Red</td>
<td>8/116328 XPV</td>
<td>0.973</td>
</tr>
<tr>
<td>Cyan</td>
<td>1/116321 XPV</td>
<td>0.971</td>
</tr>
<tr>
<td>Reflex blue</td>
<td>1/116322 XPV</td>
<td>0.969</td>
</tr>
<tr>
<td>Blue</td>
<td>1/116323 XPV</td>
<td>0.972</td>
</tr>
<tr>
<td>Blue</td>
<td>1/116314 XPV</td>
<td>1.000</td>
</tr>
<tr>
<td>Black</td>
<td>9/116324 XPV</td>
<td>0.977</td>
</tr>
</tbody>
</table>

(additional colour shades are available upon request)

4. ADDITIVES

- Thinner (n-Propyl Acetate) 020595
- Quick Drying Agent (EA) 002002
- Retarder (BA) 020587
- Transparent White 116313 XPV

* density and solid content are approximate values (density +/- 0.05 g / cm³, solids +/- 2%)

5. PROCESSING INSTRUCTIONS

For printing with XPV colours ester resistant photo polymer print plates or ester resistant rubber print plates have to be used.

6. STORAGE

We guarantee a shelf life of six months. For metallic inks as well as gold and silver we guarantee a shelf life of three months in original and closed containers.

Rust protected containers have to be used.

7. PRECAUTIONS

For further information on the safety, storage and environmental aspects please refer to the Material Safety Data Sheet(s) (MSDS).

For further technical information please contact our application engineering:

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Internet: www.ruco-inks.com

This information is given to the best of our knowledge. As for the great variety of applications, substrates and handling we advise to carry out suitable tests for the intended application prior to production. They infer no legally binding warranty of a quality nor suitability for a specific application.