PROTON® 69

100% Alcohol-based cleaning fluid determined to remove cured and uncured acrylic conformal coatings from coating frames, PCBs and components of coating machine parts.

Determined to clean also uncured epoxy adhesives from stainless steel stencils and plastic pumpprints.

Recommended areas for use

<table>
<thead>
<tr>
<th>To remove uncured/cured coating from PCBs, coating frames</th>
<th>Cleaning technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic: Ultrasonic / Spray in air / Air bubble</td>
<td></td>
</tr>
<tr>
<td>Manual: immersion and manual cleaning using brush</td>
<td></td>
</tr>
</tbody>
</table>

SMT adhesive (uncured)

Recommended cleaning technology

Spray in air

Process steps*

<table>
<thead>
<tr>
<th>Cleaning application</th>
<th>Cleaning</th>
<th>1. rinse</th>
<th>2. rinse</th>
<th>Drying</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic conformal coating</td>
<td>Proton® 69</td>
<td>X / DI water</td>
<td>X / DI water</td>
<td>Hot air</td>
</tr>
<tr>
<td>Uncured adhesive/stainless steel stencil</td>
<td>1 min, 20°C</td>
<td>2 min, 20 – 30 °C</td>
<td>2 min, 20 – 30 °C</td>
<td>10 min, 40 – 60°C</td>
</tr>
<tr>
<td>Uncured adhesive / pumpprint</td>
<td>10 min, 20°C</td>
<td>2 min, 20 – 30 °C</td>
<td>2 min, 20 – 30 °C</td>
<td>10 min, 40 – 60°C</td>
</tr>
</tbody>
</table>

Product information

- excellent compatibility with broad materials, plastics, aluminium, inks and labels used in electrotechnical industry
- Proton 69 completely dissolve acrylic conformal coating and uncured epoxy based adhesives
- spray in air machines InJet type must be suited for Proton 69 because of flash point
- completely soluble in water, fast evaporation rate

Physical and chemical properties

- Product appearance: clear liquid
- Odour, aroma: organic
- VOC content: 100%
- Recommended process temperature: 20 – 45°C
- Flash point: 68°C
- Density at 20°C: 0.9 kg/l

Date of issue/revision: 27 Oct 2016 / 28 Feb 2019

Consult **MSDS** prior to use.

Check material compatibility in case of contact with sensitive materials susceptible to chemical stress cracking.

Proton® is a registration trademark of DCT Czech s.r.o.
PROTON® 69

General information

Packing
25 litres, 5 litres, 1 litre can

Transport
UN number: No.
Transport hazard class: No.

Handling
Wear nitrile gloves while manipulation with the cleaning fluid.

Storage
Should be stored in closed containers, in ventilated areas at the temperature from 5 to 25 °C.

Shelf life
The minimum shelf life for this product is 5 years.
Return the used product for proper disposal to the nearest authorized collection location.

Technical support

*For process implementation and setting, optimization and solving of process issues, trial test, contact your DCT specialist at www.dct.cleaning

Product features
RoHS and REACH compliant, biodegradable, does not contain any halogenated compounds

We are certified as part of a worldwide quality management system by LLOYD'S

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