Substrate Compatibility Test Report

Date: 9/8/10
Material: Label
Machine: ws4050 / Nr.
Location: RIT
Certification number: RI4050-10-1859

### SUBSTRATE TEST DETAILS

**Supplier name:** UPM Raflatac  
**Media name:** IL 33L, PP clear IL/RP37/44#PK (3.4mil)

<table>
<thead>
<tr>
<th>Category</th>
<th>Self-adhesive</th>
<th>Flexible Packaging</th>
<th>Paper Shrink Sleeve</th>
<th>Synthetic</th>
<th>Magnetic</th>
<th>Cartonboard</th>
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</thead>
<tbody>
<tr>
<td>Region</td>
<td>Europe</td>
<td>× LA</td>
<td>× US Other</td>
<td>× Canada</td>
<td>× APJ</td>
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<tr>
<td>Media type</td>
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<td>× PP/BOPP</td>
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<tr>
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<td>PVC</td>
<td>PC</td>
<td>OPS</td>
<td>Coated Gloss</td>
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<td>Specialty</td>
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<td>Magnetic</td>
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</tbody>
</table>

**Test description:** Official substrate compatibility test for industrial presses ws4000/ws4050/ws4500.

**Test procedure:** × Screen test   Full test

**Shipping condition received goods:** firmly wrapped and protected to stabilize environmental conditions

**Setup (default):** Yes   Ink version: 4.0

**Substrate behaviour:**  
- Bleeding: None
- Telescopic: None
- Static: None
- Jams: None

**Necessary print cleaners:** None

**Ink adhesion:**
- Cyan: Pass  after 15 mins. =  100%
- Magenta: Pass  after 60 mins. =  100%
- Yellow: Pass
- Black: Pass

**Temperature mapping:**
- 135 degr. =
- 146 degr. =
- 156 degr. =

**Test result/conclusion:** × PASS   FAIL

**Additional remarks/comments:**

**Certification number:** RI4050-10-1859

**Label:** RIT RI4050-10-1859