Substrate Compatibility Test Report

Date: 11/17/10
Material: Label
Machine: WS6000 / Nr.
Location: RIT
Certification Number: RI6000-10-1947

SUBSTRATE TEST DETAILS

Supplier name: UPM Raflatac
Media name: IL14P Raflasilk IL RP51 40# White Kraft (2.5 mil)

<table>
<thead>
<tr>
<th>Category</th>
<th>Self-adhesive</th>
<th>Flexible Packaging</th>
<th>Paper</th>
<th>Shrink Sleeve</th>
<th>Synthetic</th>
<th>Magnetic</th>
<th>Cartonboard</th>
</tr>
</thead>
</table>

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<tr>
<th>Region</th>
<th>Europe</th>
<th>LA</th>
<th>US</th>
<th>Other</th>
<th>Canada</th>
<th>APJ</th>
</tr>
</thead>
</table>

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<tr>
<th>Media type</th>
<th>Paper</th>
<th>PVC</th>
<th>Specialty</th>
<th>Textile</th>
<th>Magnetic</th>
</tr>
</thead>
</table>

Test description: Official substrate compatibility test for industrial presses ws6000.

Test procedure: Screen test × Full test

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

Setup (default):

- Ink version: 4.5
- Blanket code:
- Pip code:
- ITM default temperature: 105 degr. C.

Substrate behaviour:

- Bleeding: None
- Telescopic: None
- Static: None
- Jams: None

Necessary print cleaners: 0

Ink adhesion: Pass

- Cyan: ok
- Magenta: ok
- Yellow: ok
- Black: ok

Forced colour test:

- after 15 mins. = 100%
- after 60 mins. = 100%

Temperature mapping:

- 95 degr.= 100%
- 105 degr.= 100%
- 115 degr.= 100%

Press settings (best working point): PTH 55

- Blanket= 105
- Feed fan = 6
- 2nd Transfer = 250

Test result/conclusion:

- PASS
- FAIL

Additional remarks/comments: