Substrate Compatibility Test Report

Date: 5/27/10
Material: Label
Machine: WS6000 / Nr.
Location: RIT
Certification Number: R6000-10-1804

SUBSTRATE TEST DETAILS
Supplier name: MACtac
Media name: IGP2002-INDE Gloss PP
Category: 0 Self-adhesive 0 Paper 0 Synthetic 0 Cartonboard
0 Flexible Packaging 0 Shrink Sleeve 0 Magnetic 0 IML
Region: 0 Europe 0 US 0 Canada 0 APJ
0 LA 0 Other
Media type: 0 Paper 0 PE 0 PET 0 PP/BOPP
0 PVC 0 PC 0 OPS 0 PLA
0 Specialty 0 Teslin 0 Coated Gloss 0 Coated Matte
0 Textile 0 Embossed 0 Transparent 0 White
0 Magnetic 0 Metalized 0 Beige
Test description: Official substrate compatibility test for industrial presses ws6000.
Test procedure: 0 Screen test 0 Full test
Shipping condition received goods: firmly wrapped and protected to stabilize environmental conditions

<table>
<thead>
<tr>
<th>Setup (default):</th>
<th>Ink version:</th>
<th>Blanket code:</th>
<th>Pip code:</th>
<th>ITM default temperature:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.5</td>
<td>Telescopic: None</td>
<td>Static: None</td>
<td>105 degr. C.</td>
</tr>
<tr>
<td>Substrate behaviour:</td>
<td>Bleeding: None</td>
<td>Telescopic: None</td>
<td>Static: None</td>
<td>Jams: None</td>
</tr>
<tr>
<td>Necessary print cleaners:</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ink adhesion:</td>
<td>after 15 mins. = 100%</td>
<td>after 60 mins. = 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forced colour test:</td>
<td>Cyan: ok</td>
<td>Magenta: ok</td>
<td>Yellow: ok</td>
<td>Black: ok</td>
</tr>
<tr>
<td>Temperature mapping: 95 degr. = 100%</td>
<td>105 degr. = 100%</td>
<td>115 degr. = 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Press settings (best working point) PTH 55</td>
<td>Blanket= 105</td>
<td>Feed fan = 6</td>
<td>2nd Transfer = 250</td>
<td></td>
</tr>
</tbody>
</table>

Test result/conclusion: 0 PASS 0 FAIL

Additional remarks/comments: