Substrate Compatibility Test Report

Date: 10/20/10  
Material: Label  
Machine: ws4050 / Nr.  
Location: RIT  
Certification number: RI4050-10-1909

SUBSTRATE TEST DETAILS

Supplier name: Wausau Coated Products  
Media name: W012036 63# Silver Metalized Paper/ PCT-45/40#SC

<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 IML</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region</td>
<td>Europe</td>
<td>× US</td>
<td>Other</td>
<td>× Canada</td>
<td>APJ</td>
<td></td>
</tr>
<tr>
<td>Media type</td>
<td>Paper</td>
<td>PVC</td>
<td>Specialty Textile</td>
<td>Magnetic</td>
<td>PP/BOPP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Embossed</td>
<td>Metalized</td>
<td>PLA</td>
<td></td>
</tr>
</tbody>
</table>

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

Test procedure: × Screen test  
Shipping condition received goods: firmly wrapped and protected to stabilize environmental conditions

Setup (default): Yes  
Ink version: 4.0  
Blanket code:  
Pip code:  
ITM default temperature: 146 degr. C.

Substrate behaviour: Bleeding: None  
Telescopic:  
Static:  
Jams:  
Necessary print cleaners: None  
None  
None  
None

Ink adhesion: Pass  
after 15 mins. = 100%  
after 60 mins. = 100%  
Black: Pass

Forced colour test: Cyan: Pass  
Magenta: Pass  
Yellow: Pass

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

Test result/conclusion: × PASS  
FAIL

Additional remarks/comments: