

# Approved Substrate Certificate



DuPont™ Tyvek® 4158D

Test date: 12<sup>th</sup> May 2011

Certification number: B4500-101

A PRODUCT OF

**DuPont de Nemours (Luxembourg) S. à. r. l.**

This substrate is hereby certified for HP Indigo press  
ws4000/ws4050/ws4500 & ws2000.



It has been submitted under the standard comprehensive certification procedure.  
Test results are according to R&D substrate certification criteria.

In conjunction with Rochester Institute of Technology (RTI) - USA

Maastricht, the Netherlands



# Substrate Compatibility Test Report



**Date:** 12<sup>th</sup> May 2011

**Material:** DuPont™ Tyvek® 4158D

**Machine:** ws4500

**Location:** GSB - HP Demo Centre Barcelona, Spain

**Inspection:** Erik van Sloten

**Supervisor:** Gerard Geurts

## SUBSTRATE TEST DETAILS

**Supplier name:** DuPont

**Media name:** Tyvek® 4158D

<b>Category:</b>	<input type="checkbox"/> Label <input type="checkbox"/> Flexible Packaging	<input type="checkbox"/> Paper <input type="checkbox"/> Shrink Sleeve	<input checked="" type="checkbox"/> Synthetic Paper <input type="checkbox"/> Magnetic	<input type="checkbox"/> Cartonboard <input type="checkbox"/> IML
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<b>Region:</b>	<input checked="" type="checkbox"/> Europe <input type="checkbox"/> LA	<input type="checkbox"/> US <input type="checkbox"/> Other	<input type="checkbox"/> Canada	<input type="checkbox"/> APJ
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<b>Media type:</b>	<input type="checkbox"/> Paper <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Specialty <input type="checkbox"/> Textile <input type="checkbox"/> Magnetic	<input type="checkbox"/> PE <input type="checkbox"/> PC <input type="checkbox"/> Teslin <input type="checkbox"/> Embossed <input type="checkbox"/> Metalized	<input type="checkbox"/> PET <input type="checkbox"/> OPS <input type="checkbox"/> Coated Gloss <input type="checkbox"/> Transparent <input type="checkbox"/> Beige	<input type="checkbox"/> PP/BOPP <input type="checkbox"/> PLA <input type="checkbox"/> Coated Matte <input checked="" type="checkbox"/> White <input type="checkbox"/> Thermal
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**Test description:** Official substrate compatibility test for industrial presses ws4000/ws4050/ws4500

<b>Test procedure:</b>	<input type="checkbox"/> Screen test	<input type="checkbox"/> Full test	<input checked="" type="checkbox"/> Interpolation
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**Shipping condition received goods:** firmly wrapped and protected to stabilize environmental conditions

<b>Setup:</b>	Ink version: 4.0	Blanket code: n/a	Pip code: n/a	ITM temperature: 146 degr. C.
<b>Substrate behaviour:</b>	Bleeding: ok	Telescopic: ok	Static: ok	Jams: ok
<b>Necessary print cleaners:</b>	1			
<b>Ink adhesion:</b>	after 15 mins. = 85%	after 60 mins. = 95%		
<b>Forced colour test:</b>	Cyan: ok	Magenta: ok	Yellow: ok	Black: ok
<b>Temperature mapping:</b>		136°C = 80%	146°C = 90%	156°C = 90%

**Test result/conclusion:** X PASS 0 FAIL

**Additional remarks/comments:**

Certified under number B4500-101  
3 star rating for runnability, Gray star for compatibility, 2 star rating for ink fixing

**HEWLETT PACKARD  
INDIGO B.V.**

