

# Approved Substrate Certificate



DuPont™ Tyvek® 4173D

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

Certification number: B4500-096

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 (RIT) - USA

Maastricht, the Netherlands





# Substrate Compatibility Test Report



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

**Material:** DuPont™ Tyvek® 4173D

**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® 4173D

**Category:**  Label  Flexible Packaging  Paper  Shrink Sleeve  Synthetic Paper  Magnetic  Cartonboard  IML

**Region:**  Europe  LA  US  Other  Canada  APJ

**Media type:**  Paper  PVC  Specialty  Textile  Magnetic  PE  PC  Teslin  Embossed  Metalized  PET  OPS  Coated Gloss  Transparent  Beige  PP/BOPP  PLA  Coated Matte  White  Thermal

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

**Test procedure:**  Screen test  Full test  Interpolation

**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:**  PASS  FAIL

**Additional remarks/comments:**

Certified under number B4500-096  
3 star rating for runnability, Gray star for compatibility, 2 star rating for ink fixing

HEWLETT PACKARD  
INDIGO B.V.  
*[Signature]*

