

Approved Substrate Certificate



DuPont™ Tyvek® 1082D

Test date: 12th May 2011

Certification number: B4500-098

A PRODUCT OF

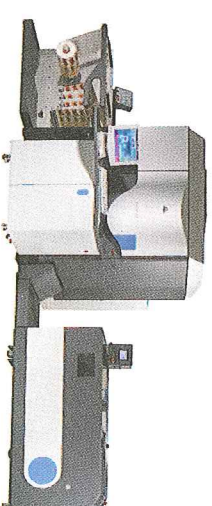
DuPont de Nemours (Luxembourg) S. à. r. l.

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: 12th May 2011

Material: DuPont™ Tyvek® 1082D

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® 1082D

Category: 0 Label Paper X Synthetic Paper 0 Cartonboard
0 Flexible Packaging 0 Shrink Sleeve 0 Magnetic 0 IML

Region: X 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
X Specialty 0 Teslin 0 Coated Gloss 0 Coated Matte
0 Textile 0 Embossed 0 Transparent X White
0 Magnetic 0 Metalized 0 Beige 0 Thermal

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

Test procedure: 0 Screen test X Full test 0 Interpolation

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

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

Test result/conclusion: X PASS 0 FAIL

Additional remarks/comments:

Certified under number B4500-098
3 star rating for runnability, 3 star for compatibility, 2 star rating for ink fixing

**HEWLETT PACKARD
INDIGO B.V.**

