NIRVANABELT

ECO-PIGMENT INK

Ink Consumption

November 2023

Summary

This presentation illustrates examples of ink consumption across different designs when printing with Eco-Pigment on an Optimum Digital NirvanaBelt printer.

The designs are classified in three categories: light, medium and dark coverage, with ascending ink consumption.

Under each design we have specified the type of material the calculation was made for, as the ink consumption of a design may vary slightly when using different profiles for different substrates.

All estimates are for 720 x 720 DPI in 4-pass printing.

Light Coverage

L1

Cotton Spandex Blend

Ink	Laydown
C	0.17 ml/m²
M	0.25 ml/m²
Y	0.18 ml/m²
K	0.03ml/m²
O	0.13 ml/m²
R	0.20 ml/m²
V	0.07 ml/m²
	Total 1.03 ml/m²

M² Cost 0,0412 €

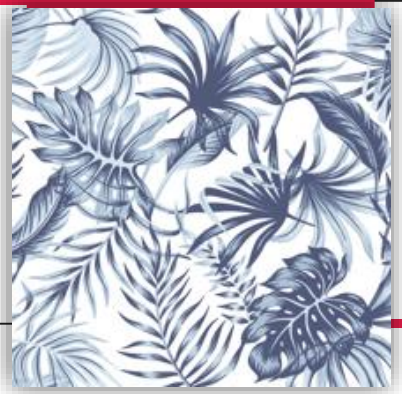
L2

Poplin 100% Cotton

Ink	Laydown
C	0.12 ml/m²
M	0.25 ml/m²
Y	0.57 ml/m²
K	0.48 ml/m²
O	0.65 ml/m²
R	0.40 ml/m²
V	0.21 ml/m²
	Total 2.68 ml/m²

M² Cost 0,1072 €

L3



100% Linen

Ink	Laydown
C	0.42 ml/m²
M	0.13 ml/m²
Y	0.00 ml/m²
K	0.12 ml/m²
O	0.00 ml/m²
R	0.00 ml/m²
V	0.14 ml/m²
	Total 0.81 ml/m²

M² Cost 0,0324 €

L4

Linen 60% Cotton 40%

Ink	Laydown
C	0.46 ml/m²
M	0.09 ml/m²
Y	0.32 ml/m²
K	0.33 ml/m²
O	0.07 ml/m²
R	0.03 ml/m²
V	0.03 ml/m²
	Total 1.33 ml/m²

M² Cost 0, 0532 €

L5

Sateen 100% Cotton

Ink	Laydown
C	0.06 ml/m²
M	0.17 ml/m²
Y	1.58 ml/m²
K	0.13 ml/m²
O	0.13 ml/m²
R	0.10 ml/m²
V	0.03 ml/m²
	Total 2.20 ml/m²

M² Cost 0,088 €

Medium Coverage

M1

Cotton Polyester Blend

Ink	Laydown
C	1.60 ml/m²
M	0.43 ml/m²
Y	0.52 ml/m²
K	0.02 ml/m²
O	0.82 ml/m²
R	0.68 ml/m²
V	0.80 ml/m²
	Total 4.87 ml/m²

M² Cost 0,1948 €

M2

Heavynit 100% Cotton

Ink	Laydown
C	0.11 ml/m²
M	0.41 ml/m²
Y	3.19 ml/m²
K	0.21 ml/m²
O	3.18 ml/m²
R	1.14 ml/m²
V	0.09 ml/m²
	Total 8.32 ml/m²

M² Cost 0,3328 €

M3

Jersey Knit 100% Cotton

Ink	Laydown
C	0.84 ml/m²
M	1.43 ml/m²
Y	1.69 ml/m²
K	1.26 ml/m²
O	1.28 ml/m²
R	1.00 ml/m²
V	1.39 ml/m²
	Total 8.89 ml/m²

M² Cost 0,3556 €

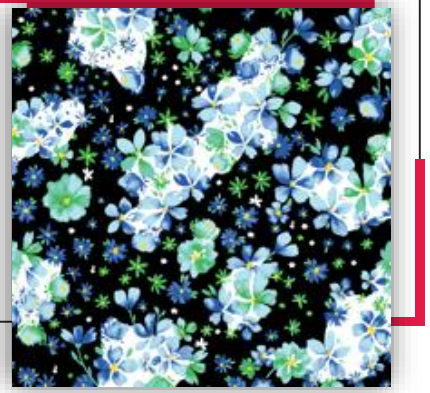
M4

Poplin 100% Cotton

Ink	Laydown
C	3.14 ml/m²
M	0.24 ml/m²
Y	0.75 ml/m²
K	1.12 ml/m²
O	0.22 ml/m²
R	0.35 ml/m²
V	0.37 ml/m²
	Total 6.19 ml/m²

M² Cost 0, 2476 €

M5



Jersey Knit 100% Cotton

Ink	Laydown
C	0.87 ml/m²
M	0.01 ml/m²
Y	0.26 ml/m²
K	2.38 ml/m²
O	0.19 ml/m²
R	0.00 ml/m²
V	1.47 ml/m²
	Total 5.18 ml/m²

M² Cost 0,2072 €

Dark Coverage

D1

Heavynit 100% Cotton

Ink	Laydown
C	1.85 ml/m²
M	1.67 ml/m²
Y	0.97 ml/m²
K	1.68 ml/m²
O	0.77 ml/m²
R	1.61 ml/m²
V	1.17 ml/m²
	Total 9.72 ml/m²

M² Cost 0,3888 €

D2

Heavynit 100% Cotton

Ink	Laydown
C	0.69 ml/m²
M	2.21 ml/m²
Y	0.99 ml/m²
K	3.36 ml/m²
O	1.32 ml/m²
R	1.96 ml/m²
V	1.53 ml/m²
	Total 12.06 ml/m²

M² Cost 0,4824 €

D3

Heavynit 100% Cotton

Ink	Laydown
C	0.83 ml/m²
M	1.96 ml/m²
Y	1.60 ml/m²
K	5.67 ml/m²
O	0.38 ml/m²
R	1.44 ml/m²
V	2.36 ml/m²
	Total 14.24 ml/m²

M² Cost 0,5696 €

D4

Heavynit 100% Cotton

Ink	Laydown
C	1.40 ml/m²
M	0.23 ml/m²
Y	1.92 ml/m²
K	4.61 ml/m²
O	1.10 ml/m²
R	1.11 ml/m²
V	1.95 ml/m²
	Total 12.32 ml/m²

M² Cost 0, 4928 €

D5

Heavynit 100% Cotton

Ink	Laydown
C	1.48 ml/m²
M	1.07 ml/m²
Y	0.86 ml/m²
K	6.68 ml/m²
O	0.37 ml/m²
R	1.31 ml/m²
V	3.12 ml/m²
	Total 14.89 ml/m²

M² Cost 0,5956 €

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