



**Sappi  
North America**

# **Spec Guide**

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**sappi**



**This Specification Guide provides product details for McCoy®, Opus®, Somerset® and Flo®, and EuroArt Plus®, HannoArt® and GalerieArt®. The information is accurate at the time of publication (indicated by effective dates on each page) and is subject to change.**

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# Specification Guide

## McCoy — Sheets

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	80 / 118	96	95.0	72	.0036		552	95.90, 2.70, -7.30
		100 / 148	96	96.5	72	.0047		430	95.90, 2.70, -7.30
	Cover	80 / 216	96	98.5	72	.0069		290	95.90, 2.70, -7.30
		100 / 270	96	99.0	72	.0091		220	95.90, 2.70, -7.30
		120 / 325	96	99.0	72	.0110		182	95.90, 2.70, -7.30
	Silk	Text	80 / 118	96	95.0	43	.0038		522
100 / 148			96	96.5	43	.0050		404	95.90, 2.70, -7.30
Cover		80 / 216	96	98.5	43	.0074		270	95.90, 2.70, -7.30
		100 / 270	96	99.0	43	.0097		206	95.90, 2.70, -7.30
		120 / 325	96	99.0	43	.0120		168	95.90, 2.70, -7.30
		130 / 352	96	99.0	43	.0130		154	95.90, 2.70, -7.30
Matte	Text	80 / 118	96	95.0	25	.0045		446	95.90, 2.70, -7.30
		100 / 148	96	96.5	25	.0058		344	95.90, 2.70, -7.30
	Cover	80 / 216	96	98.5	25	.0085		234	95.90, 2.70, -7.30
		100 / 270	96	99.0	25	.0106		188	95.90, 2.70, -7.30

## McCoy—Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	80 / 118	96	95.0	72	.0037	536	95.90, 2.70, -7.30	
		100 / 148	96	96.5	72	.0048	414	95.90, 2.70, -7.30	
	Cover	80 / 216	96	98.5	72	.0070	288	95.90, 2.70, -7.30	
Silk	Text	80 / 118	96	95.0	43	.0039	518	95.90, 2.70, -7.30	
		100 / 148	96	96.5	43	.0051	390	95.90, 2.70, -7.30	
	Cover	80 / 216	96	98.5	43	.0075	268	95.90, 2.70, -7.30	
Matte	Text	80 / 118	96	95.0	25	.0045	446	95.90, 2.70, -7.30	
		100 / 148	96	96.5	25	.0058	344	95.90, 2.70, -7.30	
	Cover	80 / 216	96	98.5	25	.0085	234	95.90, 2.70, -7.30	

## McCoy—Digital and McCoy—Digital for HP Indigo

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	80 / 118	96	95.0	72	.0036	552	95.90, 2.70, -7.30	
		100 / 148	96	96.5	72	.0047	430	95.90, 2.70, -7.30	
Cover		65 / 176	96	98.0	72	.0054	370	95.90, 2.70, -7.30	
		80 / 216	96	98.5	72	.0069	290	95.90, 2.70, -7.30	
		100 / 270	96	99.0	72	.0091	220	95.90, 2.70, -7.30	
		120 / 325	96	99.0	72	.0110	182	95.90, 2.70, -7.30	
Silk	Text	80 / 118	96	95.0	43	.0038	522	95.90, 2.70, -7.30	
		100 / 148	96	96.5	43	.0050	404	95.90, 2.70, -7.30	
Cover		65 / 176	96	98.0	43	.0059	340	95.90, 2.70, -7.30	
		80 / 216	96	98.5	43	.0074	270	95.90, 2.70, -7.30	
		100 / 270	96	99.0	43	.0097	206	95.90, 2.70, -7.30	
		120 / 325	96	99.0	43	.0120	168	95.90, 2.70, -7.30	

<sup>1</sup> CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

# Specification Guide

## Opus—Sheets

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>2</sup>		
Gloss	Text	70 / 104	94	92.5	72	.0031		638	96.20, 1.45, -4.85		
		80 / 118	94	93.5	72	.0036		552	96.20, 1.45, -4.85		
		100 / 148	94	96.0	72	.0045		442	96.20, 1.45, -4.85		
	Cover	65 / 176	94	97.0	72	.0056		356	96.20, 1.45, -4.85		
		80 / 216	94	98.0	72	.0069		290	96.20, 1.45, -4.85		
		100 / 270	94	99.0	72	.0091		220	96.20, 1.45, -4.85		
		120 / 325	94	99.0	72	.0110		182	96.20, 1.45, -4.85		
		130 / 352	94	99.0	72	.0120		168	96.20, 1.45, -4.85		
		Dull	Text	70 / 104	94	92.5	43	.0033		602	96.20, 1.45, -4.85
				80 / 118	94	94.0	43	.0038		526	96.20, 1.45, -4.85
	100 / 148			94	96.0	43	.0049		410	96.20, 1.45, -4.85	
	Cover		65 / 176	94	97.5	43	.0061		330	96.20, 1.45, -4.85	
			80 / 216	94	98.0	43	.0075		268	96.20, 1.45, -4.85	
			100 / 270	94	99.0	43	.0098		206	96.20, 1.45, -4.85	
120 / 325			94	99.0	43	.0117		170	96.20, 1.45, -4.85		
Matte	Text	60 / 89	94	91.5	25	.0032		626	96.20, 1.45, -4.85		
		70 / 104	94	93.5	25	.0039		514	96.20, 1.45, -4.85		
		80 / 118	94	94.5	25	.0044		452	96.20, 1.45, -4.85		
		100 / 148	94	97.0	25	.0057		352	96.20, 1.45, -4.85		
	Cover	65 / 176	94	97.5	25	.0073	7pt <sup>1</sup>	272	96.20, 1.45, -4.85		
		80 / 216	94	98.5	25	.0094		214	96.20, 1.45, -4.85		

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2°observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

## Opus—Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>2</sup>
Gloss	Text	60/89	92	92.0	72	.0029		688	95.80, 1.45, -4.00
		70/104	92	93.0	72	.0035		578	95.80, 1.45, -4.00
		80/118	92	94.0	72	.0040		500	95.80, 1.45, -4.00
		90/133	92	95.0	72	.0045		444	95.80, 1.45, -4.00
	100/148	92	96.5	72	.0051		390	95.80, 1.45, -4.00	
	Cover	65/176	92	97.0	72	.0056		356	95.80, 1.45, -4.00
80/216		92	98.0	72	.0069		288	95.80, 1.45, -4.00	
Dull	Text	60/89	92	93.0	43	.0030		658	95.80, 1.45, -4.00
		70/104	92	93.5	43	.0036		562	95.80, 1.45, -4.00
		80/118	92	95.0	43	.0039		520	95.80, 1.45, -4.00
		100/148	92	96.5	43	.0050		402	95.80, 1.45, -4.00
	Cover	65/176	92	97.5	43	.0061		328	95.80, 1.45, -4.00
		80/216	92	98.0	43	.0075		268	95.80, 1.45, -4.00
Satin	Text	60/89	92	93.0	40	.0030		658	95.80, 1.45, -4.00
		70/104	92	94.0	40	.0036		562	95.80, 1.45, -4.00
		80/118	92	95.0	40	.0042		482	95.80, 1.45, -4.00
		100/148	92	96.5	40	.0050		402	95.80, 1.45, -4.00
	Cover	65/176	92	97.5	40	.0061		328	95.80, 1.45, -4.00
		80/216	92	98.0	40	.0075		268	95.80, 1.45, -4.00
Matte	Text	60/89	92	91.5	25	.0032		626	95.80, 1.45, -4.00
		70/104	92	93.5	25	.0039		514	95.80, 1.45, -4.00
		80/118	92	95.0	25	.0044		452	95.80, 1.45, -4.00
		100/148	92	97.0	25	.0057		352	95.80, 1.45, -4.00
	Cover	65/176	92	97.5	25	.0073	7pt <sup>1</sup>	272	95.80, 1.45, -4.00

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

# Specification Guide

## Opus PS—Sheets

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>3</sup>
Gloss	Cover	70 / 190	94	98.0	65	.0071	7pt <sup>1</sup>	282	96.20, 1.45, -4.85
		85 / 231	94	98.0	65	.0090	9pt <sup>2</sup>	222	96.20, 1.45, -4.85
Matte	Text	105 / 155	94	97.5	25	.0072	7pt <sup>1</sup>	278	96.20, 1.45, -4.85
	Cover	80 / 216	94	98.5	25	.0092	9pt <sup>2</sup>	218	96.20, 1.45, -4.85

## Opus PS—Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>3</sup>
Gloss	Cover	70 / 190	92	98.0	65	.0071	7pt <sup>1</sup>	282	95.80, 1.45, -4.00
		78 / 210	92	98.0	65	.0080		250	95.80, 1.45, -4.00
		85 / 231	92	98.0	65	.0090	9pt <sup>2</sup>	222	95.80, 1.45, -4.00
Dull	Cover	70 / 190	92	98.0	43	.0070	7pt <sup>1</sup>	286	95.80, 1.45, -4.00
		78 / 210	92	98.0	43	.0080		250	95.80, 1.45, -4.00
		85 / 231	92	98.0	43	.0090	9pt <sup>2</sup>	222	95.80, 1.45, -4.00
Matte	Text	105 / 155	92	97.5	25	.0072	7pt <sup>1</sup>	278	95.80, 1.45, -4.00
	Cover	80 / 216	92	98.5	25	.0092	9pt <sup>2</sup>	218	95.80, 1.45, -4.00

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 Guaranteed to meet U.S. Postal Service 9-point minimum business-reply requirements.

3 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.



## Opus DX—Digital

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	80 / 118	94	93.5	72	.0036		552	96.20, 1.45, -4.85
		100 / 148	94	96.0	72	.0047		442	96.20, 1.45, -4.85
	Cover	80 / 216	94	98.0	72	.0069		290	96.20, 1.45, -4.85
		100 / 270	94	99.0	72	.0091		220	96.20, 1.45, -4.85
		120 / 325	94	99.0	72	.0110		182	96.20, 1.45, -4.85
Dull	Text	80 / 118	94	93.5	43	.0038		526	96.20, 1.45, -4.85
		100 / 148	94	96.0	43	.0049		410	96.20, 1.45, -4.85
	Cover	80 / 216	94	98.0	43	.0075		268	96.20, 1.45, -4.85
		100 / 270	94	99.0	43	.0098		206	96.20, 1.45, -4.85
		120 / 325	94	99.0	43	.0117		156	96.20, 1.45, -4.85

<sup>1</sup> CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

# Specification Guide

## Somerset – Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>2</sup>
Gloss	Text	45 / 67	88	89.5	70	.0022		906	95.00, 1.00, -2.10
		50 / 74	88	90.5	70	.0024		820	95.00, 1.00, -2.10
		55 / 81	88	91.5	70	.0026		758	95.00, 1.00, -2.10
		60 / 89	88	92.0	70	.0029		690	95.00, 1.00, -2.10
		70 / 104	88	93.0	70	.0034		590	95.00, 1.00, -2.10
		80 / 118	88	94.0	70	.0040		504	95.00, 1.00, -2.10
		90 / 133	88	94.5	70	.0046		440	95.00, 1.00, -2.10
		100 / 148	88	96.0	70	.0052		382	95.00, 1.00, -2.10
Cover		68 / 185	88	98.0	65	.0072	7pt <sup>1</sup>	278	95.00, 1.00, -2.10
		80 / 216	88	98.0	70	.0073	7pt <sup>1</sup>	276	95.00, 1.00, -2.10

<sup>1</sup> Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

<sup>2</sup> CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

## Somerset — Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>3</sup>	
Satin	Text	45/67	88	89.5	28	.0025		806	95.00, 1.00, -2.10	
		50/74	88	90.5	28	.0027		730	95.00, 1.00, -2.10	
		60/89	88	93.0	30	.0031		656	95.00, 1.00, -2.10	
		70/104	88	94.0	30	.0036		558	95.00, 1.00, -2.10	
		80/118	88	95.0	30	.0042		478	95.00, 1.00, -2.10	
		100/148	88	96.0	30	.0054		368	95.00, 1.00, -2.10	
	Cover	62/169	88	98.0	35	.0072	7pt <sup>1</sup>	278	95.00, 1.00, -2.10	
		80/216	88	97.5	43	.0075	7pt <sup>1</sup>	268	95.00, 1.00, -2.10	
	Matte	Text	45/67	88	91.0	18	.0026		766	95.00, 1.00, -2.10
			50/74	88	92.0	18	.0029		700	95.00, 1.00, -2.10
60/89			88	93.0	22	.0032		620	95.00, 1.00, -2.10	
70/104			88	94.0	22	.0038		526	95.00, 1.00, -2.10	
80/118			88	95.0	22	.0045		448	95.00, 1.00, -2.10	
100/148			88	96.0	23	.0060		334	95.00, 1.00, -2.10	
105/155			88	97.0	23	.0071	7pt <sup>1</sup>	282	95.00, 1.00, -2.10	
Cover			65/176	88	98.5	25	.0073	7pt <sup>1</sup>	274	95.00, 1.00, -2.10
		80/216	88	98.5	25	.0094	9pt <sup>2</sup>	214	95.00, 1.00, -2.10	

<sup>1</sup> Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

<sup>2</sup> Guaranteed to meet U.S. Postal Service 9-point minimum business-reply requirements.

<sup>3</sup> CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

# Specification Guide

## Flo—Sheets

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>3</sup>	
Gloss	Text	60 / 89	90	90.5	68	.0029		698	95.80, 1.22, -3.25	
		70 / 104	90	91.5	68	.0031		650	95.80, 1.22, -3.25	
		80 / 118	90	93.0	68	.0035		566	95.80, 1.22, -3.25	
		100 / 148	90	96.5	68	.0045		446	95.80, 1.22, -3.25	
	Cover	80 / 216	90	97.5	68	.0072	7pt <sup>1</sup>	278	95.80, 1.22, -3.25	
		100 / 270	90	99.0	68	.0093	9pt <sup>2</sup>	214	95.80, 1.22, -3.25	
		120 / 325	90	99.0	68	.0115		168	95.80, 1.22, -3.25	
	Dull	Text	70 / 104	90	92.0	43	.0033		612	95.80, 1.22, -3.25
			80 / 118	90	94.0	43	.0037		536	95.80, 1.22, -3.25
100 / 148			90	96.5	43	.0048		420	95.80, 1.22, -3.25	
Cover		80 / 216	90	97.5	43	.0075	7pt <sup>1</sup>	268	95.80, 1.22, -3.25	
		100 / 270	90	99.0	43	.0097	9pt <sup>2</sup>	208	95.80, 1.22, -3.25	
		120 / 325	90	99.0	43	.0121		168	95.80, 1.22, -3.25	
Matte		Text	60 / 89	90	92.0	25	.0032		626	95.80, 1.22, -3.25
			70 / 104	90	94.0	25	.0038		526	95.80, 1.22, -3.25
			80 / 118	90	94.5	25	.0043		462	95.80, 1.22, -3.25
	100 / 148		90	96.0	25	.0059		338	95.80, 1.22, -3.25	
	110 / 162		90	97.0	25	.0073	7pt <sup>1</sup>	274	95.80, 1.22, -3.25	
	Cover	65 / 176	90	98.5	25	.0072	7pt <sup>1</sup>	278	95.80, 1.22, -3.25	
		80 / 216	90	98.0	25	.0094	9pt <sup>2</sup>	214	95.80, 1.22, -3.25	
		100 / 270	90	99.0	25	.0106		190	95.80, 1.22, -3.25	

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 Guaranteed to meet U.S. Postal Service 9-point minimum business-reply requirements.

3 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

## Flo—Web

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>4</sup>
Gloss	Text	40/59	82	88.0	55	.0020		996	92.50, 0.82, -1.75
		43/64	82	88.5	60	.0021		952	92.50, 0.82, -1.75
		45/67	82	89.5	60	.0023		882	92.50, 0.82, -1.75
		50/74	82	90.0	60	.0025		792	92.50, 0.82, -1.75
		60/89	83	92.0	60	.0029		680	93.40, 0.93, -1.95
		70/104	83	93.0	60	.0035		572	93.40, 0.93, -1.95
Matte	Text	40/59	82	90.0	29	.0022		— <sup>5</sup>	92.50, 0.82, -1.75
		45 <sup>3</sup> /67	82	91.5	23	.0024		— <sup>5</sup>	92.50, 0.82, -1.75
		50 <sup>3</sup> /74	82	91.7	23	.0027		— <sup>5</sup>	92.50, 0.82, -1.75

## Flo—Digital

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>4</sup>
Gloss	Text	80/118	90	93.0	68	.0035		566	95.80, 1.22, -3.25
		100/148	90	96.5	68	.0045		446	95.80, 1.22, -3.25
	Cover	80/216	90	97.5	68	.0072	7pt <sup>1</sup>	278	95.80, 1.22, -3.25
		100/270	90	99.0	68	.0093	9pt <sup>2</sup>	214	95.80, 1.22, -3.25
Dull	Text	80/118	90	94.0	43	.0037		536	95.80, 1.22, -3.25
		100/148	90	96.5	43	.0048		420	95.80, 1.22, -3.25
	Cover	80/216	90	97.5	43	.0075	7pt <sup>1</sup>	268	95.80, 1.22, -3.25
		100/270	90	99.0	43	.0097	9pt <sup>2</sup>	208	95.80, 1.22, -3.25

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 Guaranteed to meet U.S. Postal Service 9-point minimum business-reply requirements.

3 Meets NASTA specifications.

4 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

5 For PPI information, please contact your local Sappi sales representative at 800.882.4332.

# Specification Guide

## EuroArt Plus

FINISH	TEXT OR COVER	BASIS WEIGHT	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>3</sup>
Gloss	Text	60 / 90	91	91.0	68	.0028		714	95.0, 1.25, -5.80
		70 / 104	91	92.0	68	.0032		624	95.0, 1.25, -5.80
		80 / 118	92	94.0	68	.0037		540	95.0, 1.25, -5.80
		100 / 150	92	96.0	68	.0048		416	95.0, 1.25, -5.80
	Cover	80 / 216	92	99.0	65	>.0070	7pt <sup>1</sup>	270	95.0, 1.25, -5.80
		100 / 275	92	>99.0	65	>.0090	9pt <sup>2</sup>	204	95.0, 1.25, -5.80
		130 / 350	92	>99.5	65	.0124		160	95.0, 1.25, -5.80
Dull	Text	60 / 90	92	92.0	32	.0032		666	95.0, 1.25, -5.80
		70 / 104	92	94.0	32	.0038		540	95.0, 1.25, -5.80
		80 / 118	92	95.5	32	.0043		486	95.0, 1.25, -5.80
		100 / 150	92	96.0	32	.0054		384	95.0, 1.25, -5.80
	Cover	80 / 216	92	>99.0	35	>.0081	7pt <sup>1</sup>	252	95.0, 1.25, -5.80
		100 / 275	92	>99.0	35	>.0105	9pt <sup>2</sup>	204	95.0, 1.25, -5.80
		130 / 350	92	>99.5	35	.0145		146	95.0, 1.25, -5.80

1 Guaranteed to meet U.S. Postal Service 7-point minimum business-reply requirements.

2 Guaranteed to meet U.S. Postal Service 9-point minimum business-reply requirements.

3 CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2°observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

## HannoArt

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	60/89	92	88.0	74	.0026	770	95.30, 1.50, -4.80	
		70/104	92	91.0	75	.0030	668	95.30, 1.50, -4.80	
		80/118	92	92.0	76	.0034	588	95.30, 1.50, -4.80	
		100/148	92	93.0	76	.0043	466	95.30, 1.50, -4.80	
	Cover	80/216	92	96.0	77	.0065	308	95.30, 1.50, -4.80	
		100/270	92	96.0	77	.0081	248	95.30, 1.50, -4.80	
		111/300	92	96.0	77	.0091	220	95.30, 1.50, -4.80	
		129/350	92	97.0	77	.0108	186	95.30, 1.50, -4.80	
		150/400	92	97.0	75	.0126	160	95.30, 1.50, -4.80	
Silk	Text	70/104	92	91.0	25	.0035	572	95.30, 1.50, -4.80	
		80/118	92	92.0	25	.0041	488	95.30, 1.50, -4.80	
		100/148	92	95.0	25	.0053	378	95.30, 1.50, -4.80	
	Cover	80/216	92	96.0	23	.0082	244	95.30, 1.50, -4.80	
		100/270	92	97.0	23	.0099	202	95.30, 1.50, -4.80	
		111/300	92	97.0	23	.0111	180	95.30, 1.50, -4.80	
		129/350	92	97.0	23	.0136	148	95.30, 1.50, -4.80	

<sup>1</sup> CIE L\*a\*b\* values are approximate and in conformance with ISO 13655:2009. Data are specified according to the measurement condition M0; measured using X-Rite eXact, D50, 2° observer, white (self) backing. Values may vary significantly when measured with different instruments. White point values in accordance with the measurement condition M1 are available upon request.

# Specification Guide

## Galerie Art

FINISH	TEXT OR COVER	BASIS WEIGHT (LB/GSM)	BRIGHTNESS STANDARD	OPACITY STANDARD	GLOSS STANDARD	CALIPER AVERAGE	GUAR. CALIPER	PPI	L*A*B* PAPER WHITE <sup>1</sup>
Gloss	Text	70 / 104	92	93.0	74	.0032		626	95.00, 1.10, -4.30
		80 / 118	92	94.5	74	.0038		526	95.00, 1.10, -4.30
		100 / 148	92	96.0	74	.0045		444	95.00, 1.10, -4.30
		120 / 176	92	97.5	74	.0057		352	95.00, 1.10, -4.30
	Cover	80 / 216	92	98.0	74	.0072		278	95.00, 1.10, -4.30
		100 / 270	92	99.0	74	.0090		222	95.00, 1.10, -4.30
		120 / 325	92	99.0	74	.0112		180	95.00, 1.10, -4.30
	Silk	Text	70 / 104	92	92.0	45	.0034		588
80 / 118			92	95.0	45	.0039		514	95.00, 1.10, -4.30
100 / 148			92	97.0	45	.0051		392	95.00, 1.10, -4.30
120 / 176			92	97.5	45	.0061		328	95.00, 1.10, -4.30
Cover		80 / 216	92	98.0	45	.0077		260	95.00, 1.10, -4.30
		100 / 270	92	99.0	45	.0095		212	95.00, 1.10, -4.30
		120 / 325	92	99.0	45	.0120		168	95.00, 1.10, -4.30