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# RECYCLED PAPER & BOARD

## EASY REFERENCE

## GUIDE





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antalis<sup>EM</sup>  
Just ask Antalis


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By printing this guide on Cocoon Silk 100% recycled paper the environmental impact was reduced by\*:

 864 kg of landfill

 22,547 litres of water

 2,123 kWh of electricity

 94 kg CO<sub>2</sub> and greenhouse gases

 1,403 kg of wood

Source: Carbon footprint data evaluated by FactorX in accordance with the Bilan Carbone® methodology. Calculations are based on a comparison between the recycled paper used versus a virgin fibre paper according to the latest European BREF data (virgin fibre paper) available.

\*compared to a non recycled paper  
Results are obtained according to technical information and are subject to modification.

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COCOON Silk

100% RECYCLED

- **What is it?:** A range of two sided silk coated paper and board with exceptional credentials. Featuring a clear environmental commitment with unrivalled whiteness and outstanding printability.
- **Suitable for:** Offset litho, letterpress, silk screen and HSWO. Suitable for varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 100% Recycled Certification, ISO 14001, Process Chlorine Free (PCF), PAS 2020:2009 Level 3.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

COCOON SILK 100

TECHNICAL SPECIFICATIONS	SPEC		GSM	115	130	150	170	200	250	300	350
	Bulk (cm3/g)			0.8	0.82	0.84	0.86	0.87	0.93	0.96	0.99
	Stiffness M/D (Nmm)			0.45	0.65	1.05	1.6	2.4	6	11	18
	Stiffness C/D (Nmm)			0.3	0.45	0.70	1.10	1.50	4	7	12
	CIE Whiteness (%)			124	124	124	124	124	124	124	124
	Opacity ISO (%)			95.5	96.3	97.6	98.5	99.4	100	100	100
	Gloss 75° (%)			32	32	32	32	32	32	32	32

RANGE CHART	SIZE mm		GSM	115	130	150	170	200	250	300	300
	450 x 640mm			P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B
	520 x 720mm			P/B	P/B	P/B	P/B	P	P/B	P/B	P/B
	630 x 880mm				P/B	P/B	P/B				
	640 x 900mm			P/B	P/B	P/B	P/B	P/B	P/B	P/B	P
	720 x 1020mm			P/B	P/B	P/B	P/B	P/B	P/B	P/B	P

P - packet wrapped, B - bulk packed

COCOON Silk 50

50% RECYCLED

- **What is it?:** A two sided silk coated paper and board made from 50% de-inked post consumer waste and 50% certified virgin fibre or controlled material.
- **Suitable for:** Offset litho, letterpress and silk screen printing. Guaranteed for the HP Indigo digital process. Also suitable for varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 50% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 50% Recycled Certification, ISO 14001, Elemental Chlorine Free (ECF), PAS 2020:2009 Level 3.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

COCOON SILK 50

TECHNICAL SPECIFICATIONS	SPEC		GSM	90	100	115	130	150	170	200	250	300	350	400
	Bulk (cm3/g)			0.78	0.80	0.80	0.85	0.87	0.88	0.90	0.96	1	1.04	1.04
	Stiffness M/D (Nmm)			0.25	0.4	0.6	0.9	1.5	1.7	2.8	6.2	12.5	21	32
	Stiffness C/D (Nmm)			0.13	0.2	0.3	0.6	0.9	1.1	2	4.5	8.5	13.5	22
	CIE Whiteness (%)			124	124	124	124	124	124	124	124	124	124	124
	Opacity ISO (%)			91	92.1	94.8	96.6	97.9	98	99.1	99.5	99.8	99.9	99.9
	Gloss 75° (%)			36	33	33	33	33	33	33	33	33	33	33

RANGE CHART	SIZE mm		GSM	90	100	115	130	150	170	200	250	300	350	400
	320 x 450mm					P	P	P	P					
	450 x 320mm										P	P		
	320 x 460mm					P	P	P	P					
	460 x 320mm									P	P	P	P	
	450 x 640mm			P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P
	520 x 720mm					P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P
	630 x 880mm					P/B	P/B	P/B	P/B					
	640 x 900mm			P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P
	720 x 1020mm					P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P

P - packet wrapped, B - bulk packed

COCOON Gloss

100% RECYCLED

- **What is it?:** A range of two sided gloss coated paper and board with exceptional credentials. Featuring a clear environmental commitment with unrivalled whiteness and outstanding printability.
- **Suitable for:** Offset litho, letterpress and silk screen. Also suitable for varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 100% Recycled Certification, ISO 14001, Process Chlorine Free (PCF), PAS 2020:2009 Level 3.
- **Available:** Ex-mill.
- **Further details:** Contact your Regional Sales Office.

COCOON GLOSS 100

TECHNICAL SPECIFICATIONS	SPEC		GSM	115	135	150	170	200	250	300	350
	Bulk (cm3/g)			0.7	0.72	0.72	0.72	0.73	0.75	0.77	0.81
	Stiffness M/D (Nmm)			0.31	0.50	0.75	1.10	1.80	3.70	6.60	10.80
	Stiffness C/D (Nmm)			0.24	0.37	0.50	0.78	1.20	2.60	4.30	7.20
	CIE Whiteness (%)			124	124	124	124	124	124	124	124
	Opacity ISO (%)			94	95	96	98	99	99	100	100
	Gloss 75° (%)			74	74	74	74	74	74	74	74

COCOON Gloss 50

50% RECYCLED

- **What is it?:** A two sided gloss coated paper and board made from 50% de-inked post consumer waste and 50% certified virgin fibre or controlled material.
- **Suitable for:** Offset litho, letterpress and silk screen printing. HSWO and guaranteed for the HP Indigo digital process. Also suitable for varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 50% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 50% Recycled Certification, ISO 14001, Elemental Chlorine Free (ECF), PAS 2020:2009 Level 3.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

COCOON GLOSS 50

TECHNICAL SPECIFICATIONS	SPEC		GSM	100	115	130	150	170	200	250	300	350
	Bulk (cm3/g)			0.72	0.72	0.75	0.8	0.75	0.76	0.78	0.8	0.8
	Stiffness M/D (Nmm)			0.3	0.4	0.6	1	1.2	2	4.1	7.7	12.0
	Stiffness C/D (Nmm)			0.2	0.3	0.4	0.6	0.8	1.4	2.9	5.0	7.9
	CIE Whiteness (%)			124	124	124	124	124	124	124	124	124
	Opacity ISO (%)			91	94	95	96.5	97.5	98.5	99.5	99.8	99.9
	Gloss 75° (%)			75	75	75	75	75	75	75	75	75

RANGE CHART	SIZE mm		GSM	100	115	130	150	170	200	250	300	350
	320 x 450mm				P	P	P	P		P		
	450 x 320mm										P	
	320 x 460mm					P	P	P				
	460 x 320mm								P	P	P	P
	450 x 640mm				P/B	P/B	P/B	P	P	P	P	P
	640 x 900mm			P/B	P/B	P/B	P	P		P		
	720 x 1020mm					P	P	P	P	P	P	P

P - packet wrapped, B - bulk packed

- **What is it?:** A innovative silk coated paper, with high whiteness (CIE 124) and high opacity. Excellent runnability and outstanding printability.
  - **Suitable for:** Guaranteed for offset litho, heat set web offset. Also suitable for varnishing and folding.
  - **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, ISO 9001, ISO 14001, Process Chlorine Free (PCF), OHSAS 1800.1
  - **Available:** Ex-Mill.
  - **Further details:** Contact your Regional Sales Office.

COCOON ECOLIGHT

TECHNICAL SPECIFICATIONS	GSM			
	SPEC	80	90	100
	Bulk (cm3/g)	0.9	0.9	0.9
	CIE Whiteness (%)	124	124	124
	Opacity ISO (%)	94	94	95
	Gloss 75° (%)	33	33	33

CARBONNEUTRAL®  
CERTIFIED PAPERS FOR  
A GREENER FOOTPRINT

Many of our papers, already with high environmental credentials, are now also available with Carbon Neutral certification. Visit [www.antalismcnaughton.co.uk](http://www.antalismcnaughton.co.uk) to find out more or ask your local Sales Office.



- **What is it?:** A premium, multi-function paper, providing exceptional printing quality while meeting even the most stringent environmental standards.
  - **Suitable for:** Guaranteed for both HP Indigo and Dry toner (Xerox DocuColor, iGen 3 & 4, Kodak NexPress, Canon, Konica Minolta, MGI, Ricoh and Xeikon).
- **Major attributes:** 50% Recycled, FSC® Certification.
  - **Environmental:** FSC® Mixed Credit Certification, NAPM 50% Recycled Certification, European Ecolabel Accreditation.
  - **Available:** Next day from stock.
  - **Further details:** Contact your Regional Sales Office.

DIGIGREEN SILK

TECHNICAL SPECIFICATIONS	GSM									
	SPEC	100	115	130	150	170	200	250	300	350
	CIE Whiteness (%)	124	124	124	124	124	124	124	124	124
	Roughness Bendtsen (Ml/min)	60	55	50	50	70	70	80	100	120
	Opacity ISO (%)	93	94.5	96	97	98	99	99	99	100
	Relative Humidity TAPPI (%)	50	50	50	50	50	50	50	50	50
	pH Value	7	7	7	7	7	7	7	7	7
	Spec. Volume (cm3/g)	0.86	0.87	0.85	0.85	0.86	0.87	0.94	0.97	1.00
	Dynamic Stiffness M/D (Nmm)	0.4	0.6	0.9	1.2	1.8	2.8	6.1	11.3	18.4
	Dynamic Stiffness C/D (Nmm)	0.3	0.4	0.6	0.8	1.2	1.8	4.3	7.5	12.1

RANGE CHART	GSM									
	SIZE mm	100	115	130	150	170	200	250	300	350
	320 x 450mm	P	P	P	P	P				
	450 x 320mm						P	P	P	P
	320 x 460mm	P	P	P	P	P				
	460 x 320mm						P	P	P	P
	330 x 482mm	P	P	P	P	P				
	482 x 330mm						P	P	P	P
	364 x 521mm	P	P	P	P	P				
	460 x 364mm						P	P	P	P
	364 x 571mm	P	P	P	P	P				
	571 x 364mm						P	P	P	P

P - packet wrapped, B - bulk packed

DIGIGREEN GLOSS

TECHNICAL SPECIFICATIONS	GSM									
	SPEC	100	115	130	150	170	200	250	300	350
	CIE Whiteness (%)	124	124	124	124	124	124	124	124	124
	Roughness Bendtsen (Ml/min)	18	18	10	14	20	24	30	40	50
	Opacity ISO (%)	91	93	95	96	97	98	99	99	100
	Relative Humidity TAPPI (%)	50	50	50	50	50	50	50	50	50
	pH Value	7	7	7	7	7	7	7	7	7
	Spec. Volume (cm3/g)	0.74	0.73	0.70	0.72	0.73	0.75	0.75	0.78	0.80
	Dynamic Stiffness M/D (Nmm)	0.3	0.4	0.6	0.8	1.2	1.9	4.0	7.1	11.8
	Dynamic Stiffness C/D (Nmm)	0.2	0.3	0.4	0.5	0.8	1.4	2.8	4.7	7.9

RANGE CHART	GSM									
	SIZE mm	100	115	130	150	170	200	250	300	350
	320 x 450mm	P	P	P	P	P				
	450 x 320mm						P	P	P	P
	320 x 460mm	P	P	P	P	P				
	460 x 320mm						P	P	P	P
	364 x 521mm	P	P	P	P	P				
	521 x 364mm						P	P	P	P

P - packet wrapped, B - bulk packed



- **What is it?:** A matt coated paper and board with excellent bulk and opacity, enabling substance reduction and savings. RePrint Deluxe contains a minimum of 60% de-inked pulp.
- **Suitable for:** Litho, HSWO.
- **Major attributes:** Min. 60% Recycled paper and max, 40% virgin fibre FSC® Certified.
- **Environmental:** FSC® Recycled Certification, ISO 9001, EMAS, ISO 14001, DIN 6738, EN71-3, EU Flower.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

REPRINT DELUXE

TECHNICAL SPECIFICATIONS	SPEC	GSM										
			70	80	90	100	115	130	150	170	200	300
	Thickness (my)		72	82	92	102	115	130	150	172	202	294
	Bulk (cm3/g)		1.03	1.03	1.02	1.02	1.0	1.0	1.0	1.01	1.01	0.98
	Roughness PPS (my)		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Brightness ISO (%)		92	92	92	92	92	92	92	92	92	92
	Whiteness CIE (%)		115	115	115	115	115	115	115	115	115	115
	Opacity (%)		92.5	94	96	97	>98	>98	>98	>98	>98	>98
	Gloss Lehmann (%)		10	11	12	12	14	14	14	14	14	14

RANGE CHART	SIZE mm	GSM	70	80	90	100	115	130	150	170	200	300
				P	P/B	P/B	P/B	P/B	P/B	P/B	P	P
	450 x 640mm			P	P/B	P/B	P/B	P/B	P/B	P/B	P	P
	640 x 900mm			P	P/B	P/B	P/B	P/B	P/B	P		
	720 x 1020mm					P/B	P/B	P/B	P/B	P		P

P - packet wrapped, B - bulk packed



- **What is it?:** A natural white matt coated paper made from 100% recycled pulp suitable for a variety of print and finishing processes.
- **Suitable for:** Offset Litho, Letterpress, Silkscreen and HSWO printing. Varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 100% recycled sheet made from de-inked waste, without the addition of any optical brightening agents.
- **Environmental:** EMAS, Blue Angel, EU Flower, PCF, ISO14001, NAPM and PAS 2020:2000 Level 1.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

CYCLUS PRINT

TECHNICAL SPECIFICATIONS	SPEC	GSM	90	100	115	130	150	170	200	250	300	350
	Bulk		85	90	110	120	135	150	190	215	275	320
	Opacity ISO		94	95	97	98	N/A	N/A	N/A	N/A	N/A	N/A
	Smoothness T/S		80	80	80	80	85	120	160	75	75	75
	Smoothness W/S		100	100	100	100	110	130	220	100	100	100
	Stiffness C/D		20	25	35	70	75	90	160	330	560	935
	StiffnessM/D		35	50	65	115	120	150	265	585	980	1565
	Whiteness		70	70	70	70	70	70	70	70	70	70

RANGE CHART	SIZE mm	GSM	90	100	115	130	150	170	200	250	300	350
	450 x 640mm		P	P/B	P/B	P	P/B					
	460 x 640mm							P/B	P	P	P	P
	640 x 900mm		P/B	P	P/B	P/B	P/B	P/B	P			
	640 x 920mm									P	P	P
	720 x 1020mm				P	P/B	P	P		P	P	P

P - packet wrapped, B - bulk packed

60% RECYCLED

trucard

50% RECYCLED

- **What is it?:** A premium, quality uncoated solid bleached sulphate (SBS) Board available in matt and felt versions each with outstanding levels of whiteness and brightness combined with a natural uncoated surface.
- **Suitable for:** Offset Litho, Letterpress and screen print processes. Recommended for applications involving embossing, film and foil lamination, scoring, die cutting and folding.
- **Major attributes:** 50% FSC® Certification.
- **Environmental:** 50% FSC® Certification, BS EN ISO 9001:2008, ISO 14001.
- **Available:** Ex-Mill.
- **Further details:** Contact your Regional Sales Office.

TRUCARD O RECYCLED

TECHNICAL SPECIFICATIONS	SPEC	GSM	MATT				FELT	
			280	300	330	400	280	300
	Stiffness M/D (Nmm)		12.0	14.5	17.5	21.2	13.6	15.4
	Stiffness C/D (Nmm)		7.1	8.1	9.4	11.9	8.3	9.0
	Thickness (Micron)		360	385	425	490	405	435
	Bulk (cm3/g)		1.3	1.3	1.3	1.3	1.45	1.45
	Smoothness (Bendtsen m1/min)		300	300	300	300	900	900
	CIE Whiteness (%)		155	155	155	155	155	155

trucard

50% RECYCLED

- **What is it?:** A fully coated solid bleached sulphate (SBS) board available in 1 and 2 side coated versions (C1S and C2S) each with outstanding levels of whiteness and brightness combined with a smotht glossy coated surface.
- **Suitable for:** Gravure, Offset Litho, Letter Press and Screen print processes. Recommended for applications involving embossing, film and foil lamination, varnishing, scoring, die cutting and folding.
- **Major attributes:** 50% FSC® Certification.
- **Environmental:** 50% FSC® Certification, BS EN ISO 9001:2008, ISO 14001.
- **Available:** Ex-Mill.
- **Further details:** Contact your Regional Sales Office.

TRUCARD GLOSS RECYCLED

TECHNICAL SPECIFICATIONS	SPEC	GSM	1 GLOSS					2 GLOSS			
			240	260	280	300	330	350	300	350	400
	Stiffness M/D (Nmm)		6.9	8.5	11.5	13.5	15.7	18.7	8.5	12.6	20.2
	Stiffness C/D (Nmm)		3.6	4.6	6.6	7.5	10.7	11.4	5.2	8.4	13.9
	Thickness (Micron)		290	320	345	370	410	440	320	385	450
	Gloss 75° (%)		67	67	67	67	67	67	67	67	67
	Smoothness PPS S10µm		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	CIE Whiteness (%)		120	120	120	120	120	120	120	120	120
	Moisture Content(%)		5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

ADDING UP THE DIFFERENCE

To see the difference that using recycled paper makes on your specific job, visit [www.antalismcnaughton.co.uk/environmentalcalculator](http://www.antalismcnaughton.co.uk/environmentalcalculator) and enter your details into the calculator. You can print an Environmental Benefit Statement on the job that show how much less water, CO<sub>2</sub>, energy and wood you have used compared to virgin fibre paper.



COCOON® Preprint | Offset

100% RECYCLED

- **What is it?:** A bright white 100% recycled uncoated paper and board, guaranteed for mono laser overprinting in 80gsm to 160gsm.
- **Suitable for:** HSWO, Offset litho, Mono laser printing. Recommended for varnishing, blind embossing and foil blocking.
- **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 100% Recycled Certification, ISO 14001, Process Chlorine Free (PCF), PAS 2020:2009 Level 3.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

COCOON PREPRINT   OFFSET100			PREPINT					OFFSET				
TECHNICAL SPECIFICATIONS	SPEC	GSM	80	90	100	120	140	160	200	250	300	350
	Thickness (Micron)		90	102	115	139	151	176	228	290	354	417
	Bulk (cm3/g)		1.12	1.13	1.15	1.16	1.08	1.10	1.14	1.16	1.18	1.19
	Roughness Bendtsen (ml/min)		200/250	200/250	200/250	200/250	200/250	200/250	350/500	500/650	500/700	500/700
	CIE Whiteness (%)		150	150	150	150	150	150	150	150	150	150
	Opacity ISO (%)		94	95	96	97	97	98	99	99	100	100
	Relative Humidity (%)		30-40	30-40	30-40	30-40	30-40	30-40	40-50	40-50	40-50	40-50
RANGE CHART	SIZE mm	GSM	80	90	100	120	140	160	200	250	300	350
	450 x 640mm		P/B	P/B	P/B	P/B	P/B	P/B	P/B	P/B	P	P
	520 x 720mm				P/B	P/B		P/B	P	P	P	
	640 x 900mm		P/B	P/B	P/B	P/B	P/B	P/B	P/B	P	P	P
	720 x 1020mm				P/B	P/B	P/B	P/B	P/B	P/B	P	P
	P - packet wrapped, B - bulk packed											

NEW PRODUCT

COCOON® Preprint | Offset 50

50% RECYCLED

- **What is it?:** A bright white 50% recycled uncoated papr and board, guaranteed for mono laser overprinting in 80gsm to 160gsm.
- **Suitable for:** HSWO, Offset litho, Mono laser printing. Recommended for varnishing, blind embossing and foil blocking.
- **Major attributes:** 50% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, NAPM 50% Recycled Certification, ISO 14001, Process Chlorine Free (PCF), PAS 2020:2009 Level 3.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

COCOON PREPRINT   OFFSET 50			PREPINT						OFFSET			
TECHNICAL SPECIFICATIONS	SPEC	GSM	80	90	100	120	140	160	200	250	300	350
	Thickness (Micron)		90	102	115	139	151	176	228	290	354	417
	Bulk (cm3/g)		1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2
	Roughness Bendtsen (ml/min)		200/260	250/300	250/300	250/330	250/300	250/400	300/400	400/500	400/600	450/650
	CIE Whiteness (%)		150	150	150	150	150	150	150	150	150	150
	Opacity ISO (%)		94	96	96	97	98	99	99	100	100	100
	Relative Humidity (%)		40-50	40-50	40-50	40-50	40-50	40-50	40-50	40-50	40-50	40-50
RANGE CHART	SIZE mm	GSM	80	90	100	120	140	160	200	250	300	350
	450 x 640mm		P/B	P/B	P/B	P/B	P/B	P/B	P	P	P	P
	640 x 900mm		P/B	P/B	P/B	P/B	P/B	P/B	P	P	P	P
	720 x 1020mm				P/B	P/B	P/B	P/B		P/B	P	P
	P - packet wrapped, B - bulk packed											



100% RECYCLED

- **What is it?:** A natural white uncoated paper made from 100% recycled pulp suitable for a variety of print and finishing processes.
- **Suitable for:** Offset Litho, Letterpress, Silkscreen and HSWO printing. Suitable for varnishing, film lamination, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 100% recycled pulp made from de-inked waste, without the addition of any optical brightening agents.
- **Environmental:** EMAS, Blue Angle, EU Flower, ISO 14001, NAPM and PAS 2020:2000 Level 1.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

CYCLUS OFFSET

TECHNICAL SPECIFICATIONS	SPEC	GSM	70	80	90	100	115	140	170	200	250	300	350
	Bulk		90	95	100	115	135	160	195	220	275	330	390
	Opacity ISO		91	92	94	96	98	99	N/A	N/A	N/A	N/A	N/A
	Smoothness T/S		200	200	200	200	200	200	200	220	220	230	230
	Smoothness W/S												
	Stiffness C/D		15	20	30	35	60	110	160	245	400	750	1030
	StiffnessM/D		32	45	60	80	120	180	320	480	800	1239	1735
	Whiteness		60	60	60	60	60	60	60	60	60	60	60
RANGE CHART	SIZE mm	GSM	70	80	90	100	115	140	170	200	250	300	350
	450 x 640mm		P	P/B	P/B	P/B	P/B	P/B	P/B	P	P	P	P
	520 x 720mm				P	P	P	P			P		
	640 x 900mm			P/B	P/B	P/B	P/B	P/B	P/B	P	P	P	P
	720 x 1020mm					P/B	P/B	P/B	P/B	P	P	P	P
	P - packet wrapped, B - bulk packed												



100% RECYCLED

- **What is it?:** A bright white 100% recycled uncoated paper suitable for mono laser overprinting. Available in folio sizes to complement our cut size range.
- **Suitable for:** Litho, Mono laser printing.
- **Major attributes:** 100% Recycled FSC® Certification.
- **Environmental:** FSC® Recycled Certification, EU Ecolabel.
- **Available:** Next day from stock.
- **A4 and A3** sizes also available.
- **Further details:** Contact your Regional Sales Office.

IMAGE RECYCLED BRIGHT WHITE

TECHNICAL SPECIFICATIONS	SPEC	GSM	80	90	100
	CIE Whiteness		160	160	160
	ISO Whiteness (%)		104	104	104
	Opacity (base 80g)		95	95	95
	Bulk		1.3	1.3	1.3
	Thickness MD/CD (mN.m)		104	104	104
RANGE CHART	SIZE mm	GSM	80	90	100
	450 x 640mm		P/B	P/B	P/B
	P - packet wrapped, B - bulk packed				

- **What is it?:** An extensive range of premium papers with 100% recycled content in a choice of laid or wove finishes.
  - **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 100% Recycled, FSC® Certification.
  - **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free).
  - **Available:** Next day from stock. Matching envelopes also available.
  - **Further details:** Contact your Regional Sales Office.

100% RECYCLED

CONQUEROR CX22 100%

		DIAMOND WHITE			
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	120	160320
	Caliper		120	137	172345
	Opacity %		89.5	93	95
	Roughness Bendtsen ml/min		50	50	60
	Stiffness M/D		180	275	204
	Stiffness C/D		90	138	2579
RANGE CHART	SIZE mm	GSM	100	120	160320
	210 x 297mm		P		
	450 x 320mm				P
	450 x 640mm		P		P
	700 x 1000mm			P	P
	P - packet wrapped, B - bulk packed				

CONQUEROR LAID 100%

		DIAMOND WHITE			BRILLIANT WHITE		
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	220	300	100	120220300
	Caliper		145	310	430	145	167310430
	Opacity %		90			90	93
	Roughness Bendtsen ml/min		900	1650	1650	900	90016501650
	Stiffness M/D		180	100	240	180	260100240
	Stiffness C/D		90	60	106	90	12060106
RANGE CHART	SIZE mm	GSM	100	220	300	100	120220300
	210 x 297mm		P				
	450 x 320mm					P	P
	450 x 640mm		P		P	P	P
	700 x 1000mm			P	P		P
	P - packet wrapped, B - bulk packed						

CONQUEROR WOVE 100%

CONQUEROR WOVE 100%			DIAMOND WHITE					BRILLIANT WHITE				
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	120	160	220	300	100	120	160	220	300
	Caliper		130	156	208	310	330	130	156	208	310	330
	Opacity %		90	93	94			90	93	94		
	Roughness Bendtsen ml/min		200	200	200	200	200	200	200	200	200	200
	Stiffness M/D				68	80	190			68	80	190
	Stiffness C/D				35	40	79			35	40	79
RANGE CHART	SIZE mm	GSM	100	120	160	220	300	100	120	160	220	300
	210 x 297mm							P				
	450 x 320mm										P	
	450 x 640mm		P	P			P	P	P			P
	700 x 1000mm				P	P	P			P	P	P
	P - packet wrapped, B - bulk packed											

25% RECYCLED

- **What is it?:** An extensive range of premium papers with 25% recycled content in a choice of laid or wove finishes.
  - **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 25% Recycled, FSC® Certification.
  - **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free)
  - **Available:** Next day from stock. Matching envelopes also available.
  - **Further details:** Contact your Regional Sales Office.

CONQUEROR CX22 25%

		FRESH WHITE		
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	160320
	Caliper		120	172345
	Opacity %		87	95
	Roughness Bendtsen ml/min		50	50
	Stiffness M/D		190	200
	Stiffness C/D		100	28100
RANGE CHART	SIZE mm	GSM	100	160320
	210 x 297mm		P	
	450 x 640mm		P	
	700 x 1000mm			P
	P - packet wrapped, B - bulk packed			

CONQUEROR LAID 25%

		FRESH WHITE		MILK WHITE	
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	300	100300
	Caliper		145	430	145430
	Opacity %		90		90
	Roughness Bendtsen ml/min		900	1700	9001700
	Stiffness M/D		190	240	190240
	Stiffness C/D		100	130	100130
RANGE CHART	SIZE mm	GSM	100	300	100300
	210 x 297mm		P		
	450 x 640mm		P		P
	700 x 1000mm			P	P
	P - packet wrapped, B - bulk packed				

CONQUEROR WOVE 25%

		FRESH WHITE			MILK WHITE		
TECHNICAL SPECIFICATIONS	SPEC	GSM	100	160	300	100	160300
	Caliper		130	208	330	130	208330
	Opacity %		87	95		87	95
	Roughness Bendtsen ml/min		200	220	200	200	220200
	Stiffness M/D		200	80	160	200	80160
	Stiffness C/D		120	40	80	120	4080
RANGE CHART	SIZE mm	GSM	100	160	300	100	160300
	450 x 640mm		P		P	P	P
	700 x 1000mm			P	P		P
	P - packet wrapped, B - bulk packed						



100% RECYCLED

- **What is it?:** A fully intergrated high quality recycled cream paper, produced by environmental friendly manufacturing process.
- **Suitable for:** Litho Offset and Screen printing. Laser and Pre-printing are suitable for 80g – 120g. Suitable for varnishing, foil blocking, embossing, folding and die cutting.
- **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® Recycled Certification, ISO 9001, ISO 14001, Process Chlorine Free (PCF).
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office.

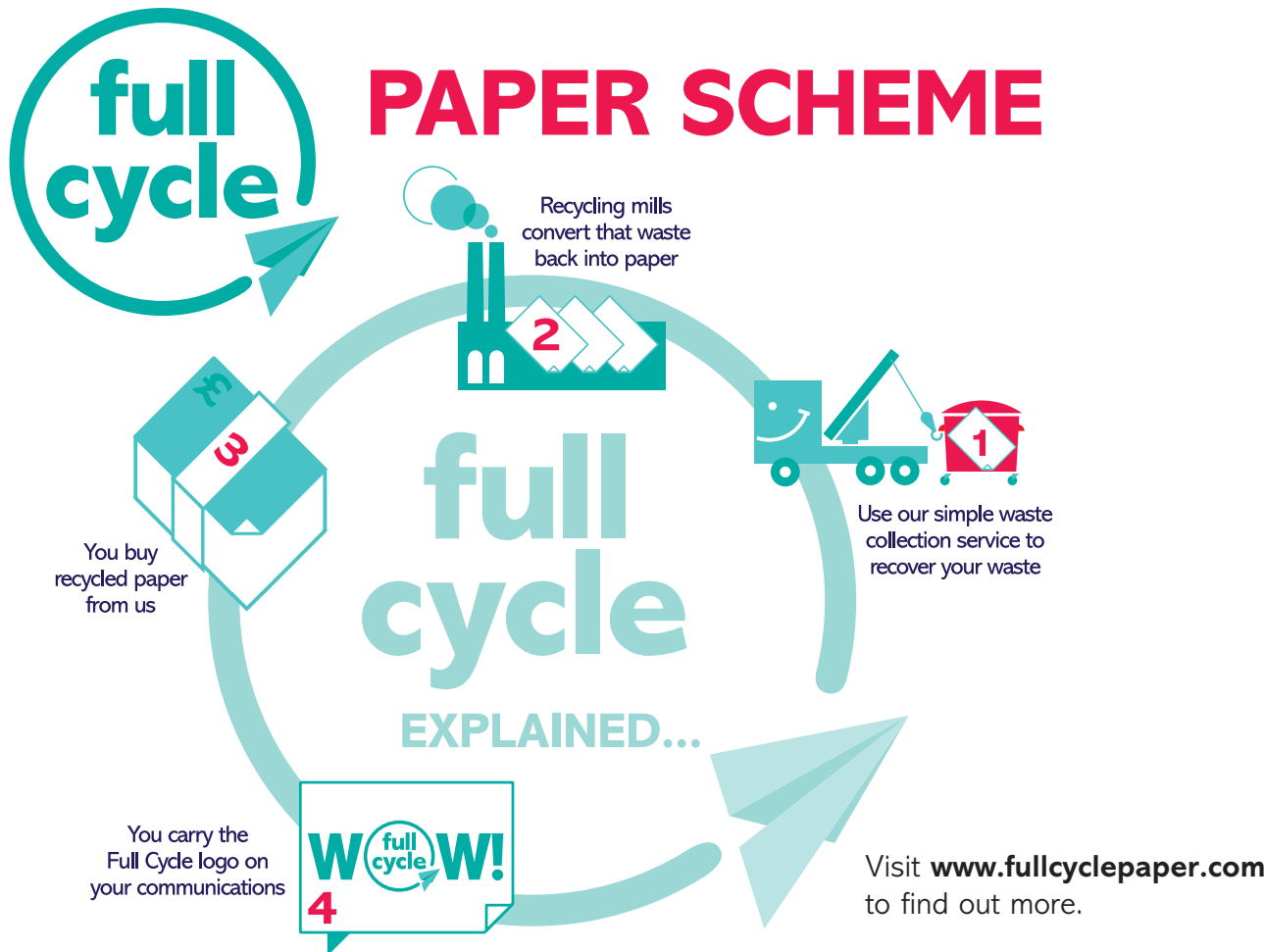
OLIN RECYCLED

TECHNICAL SPECIFICATIONS	SPEC		GSM	80	90	100	120	160	200	250	300
	Thickness (Micron)			106	120	130	150	200	240	300	345
	Bulk (cm3/g)			1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.15
	Roughness Bendtsen (ml/min)			240	240	240	240	240	240	240	240
	CIE Whiteness (%) (Cream only)			65	65	65	65	65	65	65	65
	Opacity ISO (%)			93.5	94.0	95.0	96.0	98.5	99.5	99.5	99.5

RANGE CHART	SIZE mm		GSM	80	90	100	120	160	200	250	300
	450 x 640mm			P	P	P	P				
	640 x 900mm				P		P	P			
	720 x 1020mm			P		P	P	P	P	P	P

P - packet wrapped, B - bulk packed

CUT THE COST OF YOUR WASTE MANAGEMENT WITH THE FULL CYCLE PAPER SCHEME



curious collection

30% RECYCLED

- **What is it?:** An extensive range of papers with 30% recycled content including Metallic Gold, Silver, Transluents and Pearl finishes.
- **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 30% Recycled, FSC® Certification.
- **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free).
- **Available:** Next day from stock. Matching envelopes also available.
- **Also available in Split Packs of 25+ sheets**
- **Further details:** Contact your Regional Sales Office.

CURIOUS COLLECTION

TECHNICAL SPECIFICATIONS	SPEC		GSM	120	300
Metallics	Caliper			166	416
	Roughness Bendtsen (ml/min) T/S			510	756
	Roughness Bendtsen (ml/min) W/S			570	810
	Stiffness M/D			0.78-25	260
	Stiffness C/D			0.38-14	130
	Relative Humidity (%)			40-60	40-60

TECHNICAL SPECIFICATIONS	SPEC		GSM	112	180
Transluents Clear	Caliper			93	145
	Opacity %			26	33
	Roughness Bendtsen (ml/min)			225	425
	Relative Humidity (%)			45-55	45-55

TECHNICAL SPECIFICATIONS	SPEC		GSM	100	200
Transluents Brilliant White	Caliper			88	160
	Opacity %			42	52
	Roughness Bendtsen (ml/min)			200	525
	Relative Humidity (%)			45-55	45-55

RANGE CHART	GSM (SIZE mm)		100 (700 x 1000)	112 (700 x 1000)	120 (700 x 1000)	180 (700 x 1000)	200 (700 x 1000)	300 (700 x 1000)
	Metalic Gold Leaf				p			p
	Metalic Ice Gold				p			p
	Metalic Ice Silver				p			p
	Metalic White Gold				p			p
	Transluents Clear			p		p		
	Transluents Brilliant White		p				p	
	Pearl		p				p	

P - packet wrapped, B - bulk packed



Keaykolour

30% RECYCLED

- **What is it?:** An range of paper & board with 30% post-consumer recycled content offering an extensive choice of colours.
- **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 30% Recycled, FSC® Certification.
- **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free).
- **Available:** Next day from stock.
- **Also available in Split Packs of 25+ sheets**
- **Further details:** Contact your Regional Sales Office.

KEYAYKOLOUR ORIGINAL

TECHNICAL SPECIFICATIONS	GSM		90	120	170
	SPEC				
Parchment Aged Parchment Natural	Caliper		130	180	245
	Roughness Bendtsen ml/min		1200	1200	1200

TECHNICAL SPECIFICATIONS	GSM		120	250	300	450
	SPEC					
Colours	Caliper		175	360	435	650
	Roughness Bendtsen ml/min		1000	1150	1150	1150
	Stiffness M/D		30	180	320	430
	Stiffness C/D		15	82	134	224

TECHNICAL SPECIFICATIONS	GSM		120	170	250	300	450
	SPEC						
Snow White Pure White	Caliper		175	246	350	416	592
	Roughness Bendtsen ml/min		750	750	750	750	750
	Stiffness M/D		15	45	160	266	651
	Stiffness C/D		10	25	80	109	251

RANGE CHART	GSM (SIZE mm)	90 (450 x 640)	120 (700 x 1000)	170 (450 x 640)	170 (700 x 1000)	250 (700 x 1000)	300 (700 x 1000)	450 (700 x 1000)
	Parchment Aged (30%)	P	P		P	P	P	
	Parchment Natural (30%)	P	P		P	P	P	
	Aubergine (30%)		P	P			P	P
	Biscuit (30%)		P	P			P	P
	China White (30%)		P		P	P	P	P
	Guardsman Red (30%)		P				P	P
	Jet Black (30%)		P		P	P	P	P
	Navy Blue (30%)		P			P	P	P
	Pure White (30%)		P			P	P	
	Royal Blue (30%)		P			P	P	P
	Seal (30%)		P				P	P
	Snow White (30%)		P		P	P	P	P
	Tangerine (30%)		P		P		P	P
	Burgundy (30%)						P	
	Holly (30%)						P	P
	Sage Green (30%)						P	
	Sombre Grey (30%)						P	
	Sunny Green (30%)						P	

P - packet wrapped, B - bulk packed

Keaykolour

100% RECYCLED

- **What is it?:** An range of paper & board with 100% post-consumer recycled content offering an extensive choice of colours.
- **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 100% Recycled, FSC® Certification.
- **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free).
- **Available:** Next day from stock.
- **Also available in Split Packs of 25+ sheets**
- **Further details:** Contact your Regional Sales Office.

KEYAYKOLOUR 100% RECYCLED

TECHNICAL SPECIFICATIONS	GSM		120	300
	SPEC			
Camel / Graphite / Hazel	Caliper		18	419
	Roughness Bendtsen ml/min		1000	1150

TECHNICAL SPECIFICATIONS	GSM		100	120	170	250	300
	SPEC						
Particles Moonlight / Particles Sunshine	Caliper		123	151	200	309	347
	Roughness Bendtsen ml/min		320	320	320	320	320

TECHNICAL SPECIFICATIONS	GSM		100	120	170	250	300
	SPEC						
Particles Snow	Caliper				249	346	413
	Roughness Bendtsen ml/min		900	900	1200	1200	1200

TECHNICAL SPECIFICATIONS	GSM		100	120	170	250
	SPEC					
Chalk and Limestone	Caliper		146	169	243	349
	Roughness Bendtsen ml/min		1000	100	1200	1200

RANGE CHART	GSM (SIZE mm)	100 (450 x 640)	120 (700 x 1000)	170 (700 x 1000)	250 (700 x 1000)	300 (700 x 1000)
	Particles Snow	P	P	P	P	P
	Limestone	P	P	P	P	P
	Chalk	P	P	P	P	P
	Camel		P			P
	Particles Moonlight	P	P	P		
	Hazel		P			P
	Particles Sunshine	P	P	P	P	P
	Graphite		P			P

P - packet wrapped, B - bulk packed

Pop'Set®

30% RECYCLED

- **What is it?:** An extensive range of papers with 30% recycled content offering an extensive range of colours and substances.
  - **Suitable for:** Litho offset, screen printing, UV varnishing, embossing, foil blocking and thermography.
- **Major attributes:** 30% Recycled, FSC® Certification.
  - **Environmental:** FSC® accreditation, ISO 14001, ISO 9001 & ECF (Elemental Chlorine Free).
  - **Available:** Next day from stock.
  - **Further details:** Contact your Regional Sales Office.

POP’SET RECYCLED

TECHNICAL SPECIFICATIONS	SPEC \ GSM	80	100	120	135	170	240	320
	Caliper	98	123	147	160	200	300	380
	Opacity %	83	87	91	92.5			
	Roughness Bendtsen ml/min	250	250	250	250	320	320	350
	Stiffness M/D	4.3	10	25	30	47	135	275
	Stiffness C/D	2.3	5	14	19	23	70	140
RANGE CHART	GSM (SIZE mm)	80 (450 x 640)	100 (450 x 640)	120 (450 x 640)	135 (450 x 640)	170 (450 x 640)	240 (450 x 640)	320 (450 x 640)
	Aqua			P				
	Black	P		P		P	P	P
	Brilliant White	P	P	P	P		P	P
	Californian Blue						P	
	Citrus Yellow			P			P	
	C loud			P				
	Fawn	P		P				
	Flame Orange			P				
	Grey			P				
	Ivory	P		P			P	P
	Maritime Blue			P				
	Old Gold			P				
	Oyster	P	P	P		P	P	P
	Poppy	P		P			P	
	Sky Blue			P			P	
	Spring Green			P				
	Sunshine Yellow						P	
	Vanilla						P	
	Vellum	P		P			P	P
P - packet wrapped, B - bulk packed								