

[LINK TO PRODUCT PAGE](#)

EXTRAROUGH		Coldwhite	White	Recycling White	Warmwhite	
EXTRASMOOTH		Coldwhite	White	Recycling White	Warmwhite	
ROUGH		Coldwhite	White	Warmwhite		
SMOOTH		Coldwhite	White	Warmwhite		
EXTRAMATT / TOUCH		Recycling Coldwhite	White			
SILK RECYCLING		White				
EMBOSSSED	LEATHER	Coldwhite	White	Warmwhite		
	LINEN	Coldwhite	White	Warmwhite		
	MICRO	Coldwhite	White	Warmwhite		
	STONE	Coldwhite	White	Warmwhite		
	WOOD	Coldwhite	White	Warmwhite		
PURE COTTON		White	Warmwhite			
	T-SHIRT	White				
NEWSPRINT		White				
LABELS & STICKER		SMOOTH Coldwhite	SMOOTH White	SMOOTH Warmwhite	EXTRAROUGH White	
PHOTO LUSTRE		White				
ECO FIBRES		Jute	Straw	Birch	Bagasse	
		Black	Black & White			
COLORS		Anthracite	Merlot Red	Anarchy Red	Midnight Blue	Flamingo
		Dark Green	Violet	Orange	Yellow	Deep Blue
		Mystic green	Powder Rose	State Grey	Arctic blue	Green Tea
		Rosewhite	Greenwhite	Bluewhite	Greywhite	
MULTILOFT	COVER	Coldwhite	White	Warmwhite	Magnet	
	TOP	White	Photo			
	INSERTS	Coldwhite	White	Warmwhite	Black	Earth
		Red	Dark Green	Light green	Turquoise	Purple
		Yellow	Orange	Magenta	Pink	Blue

EXTRAROUGH Coldwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	93	94	96	97	98	99	99,5
Whiteness	ISO 11475	%	160	160	160	160	160	160	160
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free
100% regenerative energy (wind), CO2 neutral
vegan

EXTRAROUGH White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	145	145	145	145	145	145	145
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO₂ neutral
vegan

EXTRAROUGH RECYCLING White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350
								laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	260	260	260	290	290	290
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%	96	97	97	98	99	99
Whiteness	ISO 11475	%	134	134	134	134	134	134
Indigo			certified					
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset					
Suitable for preprint			yes	yes	yes			

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8
Thickness	ISO 534	µm	3	3	3	5	7	8
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%						
Whiteness	ISO 11475	%	3	3	3	3	3	3

Certificate

FSC Recycled: SGSCH-COC-009212

GREEN RESPONSIBILITY

100% Post Consumer Waste

Production: acid free, formaldehyde free, without optical brighteners

100% regenerative energy (wind), CO₂ neutral

vegan

EXTRAROUGH Warmwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	136,5	156	195	227,5	351	455	559
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,3	1,3	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	837	837	837	837	837	837	837
Smoothness Sheffield	ISO 8791-3	s	290	290	290	290	290	290	290
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	78	78	78	78	78	78	78
Indigo			certified						
Additional print processes			Toner, Riso (up to 270gsm), Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	3	5	7	8	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100	100
Smoothness Sheffield	ISO 8791-3	s	50	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO₂ neutral
vegan

EXTRASMOOTH Coldwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	115,5	132	165	192,5	297	385	473
Bulk	ISO 534	cm ³ /g	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Roughness Bendtsen	ISO 8791-2	ml/min	125	125	125	125	125	125	125
Smoothness Sheffield	ISO 8791-3	s	110	110	110	110	110	110	110
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	93	94	96	97	98	99	99,5
Whiteness	ISO 11475	%	160	160	160	160	160	160	160
Indigo			certified						
Additional print processes			Toner, Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	5	5	7	8	9
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50	50
Smoothness Sheffield	ISO 8791-3	s	10	10	10	10	10	10	10
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free
100% regenerative energy (wind), CO2 neutral
vegan

EXTRASMOOTH White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	115,5	132	165	192,5	297	385	473
Bulk	ISO 534	cm ³ /g	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Roughness Bendtsen	ISO 8791-2	ml/min	125	125	125	125	125	125	125
Smoothness Sheffield	ISO 8791-3	s	110	110	110	110	110	110	110
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	145	145	145	145	145	145	145
Indigo			certified						
Additional print processes			Toner, Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	5	5	7	8	9
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50	50
Smoothness Sheffield	ISO 8791-3	s	10	10	10	10	10	10	10
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO2 neutral
vegan

EXTRASMOOTH RECYCLING White Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350
								laminated
Thickness	ISO 534	µm	115,5	132	165	192,5	297	385
Bulk	ISO 534	cm ³ /g	1,1	1,1	1,1	1,1	1,1	1,1
Roughness Bendtsen	ISO 8791-2	ml/min	65	65	65	65		107
Smoothness Sheffield	ISO 8791-3	s	70					
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%	96	97	97	98		99
Whiteness	ISO 11475	%	134	134	134	134	134	134
Indigo			certified Toner, Letterpress (from 350gsm onwards), Offset					
Additional print processes								
Suitable for preprint			yes	yes	yes			

Tolerances ±

Grammage	ISO 536	gsm		3	4	4		5
Thickness	ISO 534	µm		3	5	5		7
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	20	20	20	20	20	20
Smoothness Sheffield	ISO 8791-3	s						
Brightness	ISO 2471 (D65)	%						
Opacity	ISO 2471	%						
Whiteness	ISO 11475	%	4	4	4	4	4	4

Certificate

FSC Recycled: SGSCH-COC-009212

GREEN RESPONSIBILITY

100% Post Consumer Waste

Production: acid free, formaldehyde free, without optical brighteners

100% regenerative energy (wind), CO₂ neutral

vegan

EXTRASMOOTH Warmwhite Datasheet

Grammage	ISO 536	gsm	105	120	150	175	270	350	430
								laminated	laminated
Thickness	ISO 534	µm	115,5	132	165	192,5	297	385	473
Bulk	ISO 534	cm ³ /g	1,1	1,1	1,1	1,1	1,1	1,1	1,1
Roughness Bendtsen	ISO 8791-2	ml/min	125	125	125	125	125	125	125
Smoothness Sheffield	ISO 8791-3	s	110	110	110	110	110	110	110
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%	94	95	96	97	98	99	99,5
Whiteness	ISO 11475	%	78	78	78	78	78	78	78
Indigo			certified						
Additional print processes			Toner, Letterpress (from 270gsm onwards), Offset						
Suitable for preprint			yes	yes	yes				

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8	8
Thickness	ISO 534	µm	3	3	5	5	7	8	9
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50	50
Smoothness Sheffield	ISO 8791-3	s	10	10	10	10	10	10	10
Brightness	ISO 2471 (D65)	%							
Opacity	ISO 2471	%							
Whiteness	ISO 11475	%	3	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free, formaldehyde free, without optical brighteners
100% regenerative energy (wind), CO2 neutral
vegan

ROUGH Coldwhite Datasheet

Grammage	ISO 536	gsm	90	100	120	150	240	300
Thickness	ISO 534	µm	117	130	150	195	302	377
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,25	1,3	1,25	1,25
Roughness Bendtsen	ISO 8791-2	ml/min	350	350	350	350	350	350
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	109	109	109	109	109	109
Opacity	ISO 2471	%	93.5	94.5	96.5	97.5	100	100
Whiteness	ISO 11475	%	157	157	157	157	157	157
Indigo			certified					
Additional print processes			Toner, Riso, Letterpress (300gsm), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	7	8
Thickness	ISO 534	µm	3	3	3	5	2	8
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	100	100	100	100	100	100
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	1.5	1.5	1.5
Opacity	ISO 2471	%	1	1	1	1		
Whiteness	ISO 11475	%	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

ROUGH White Datasheet

Grammage	ISO 536	gsm	90	100	120	150	160	240	300
Thickness	ISO 534	µm	125	138	168	209	208	328	423
Bulk	ISO 534	cm3/g	1.4	1.4	1.4	1.4	1,3	1.4	1.4
Roughness Bendtsen	ISO 8791-2	ml/min	300	300	300	300	300	300	300
Smoothness Bekk	ISO 5627	s							
Brightness	ISO 2471 (D65)	%	110	110	110	110	96,5	110	110
Opacity	ISO 2471	%	90	91.5	94.5	96.5	97	99	100
Whiteness	ISO 11475	%	148	148	148	148	137,4	148	148
Indigo			possible		certified	possible			certified
Additional print processes			Toner, Riso, Letterpress (300gsm), Offset						
Suitable for preprint			yes	yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	3	4	4	4	4	5	8
Thickness	ISO 534	µm	3	4	4	4	2	7	8
Bulk	ISO 534	cm ³ /g							
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50	50
Smoothness Bekk	ISO 5627	s							
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	1.5	3	1.5	1.5
Opacity	ISO 2471	%	1	1	1	1	1	1	
Whiteness	ISO 11475	%	3	3	3	3	2	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

ROUGH Warmwhite Datasheet

Grammage	ISO 536	gsm	90	100	120	150	240	300
Thickness	ISO 534	µm	117	128	153	202	290	388
Bulk	ISO 534	cm ³ /g	1,3	1,3	1,3	1,3	1,2	1,3
Roughness Bendtsen	ISO 8791-2	ml/min	200	200	200	200	200	180
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	89,5	89,5	89,5	89,5	89,5	89,5
Opacity	ISO 2471	%	87	88,5	91	93	96,5	97,5
Whiteness	ISO 11475	%	77,8	77,8	77,8	77,8	77,8	77,8
Indigo			possible					
Additional print processes			Toner, Riso (bis 240gsm), Letterpress (300gsm), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	3,5	4	4,5	5	5	10
Thickness	ISO 534	µm	4	4	5	5	7	10
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50	50
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	2	2	2	2	2	2
Opacity	ISO 2471	%	1	1	1	1	1	1
Whiteness	ISO 11475	%	2	2	2	2	2	2

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

SMOOTH Coldwhite Datasheet

Grammage	ISO 536	gsm	100	120	150	240	300
Thickness	ISO 534	µm	115	134	170	272	336
Bulk	ISO 534	cm ³ /g	1.1	1.1	1.1	1.1	1.1
Roughness Bendtsen	ISO 8791-2	ml/min	130	130	130	130	130
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%	109	109	109	109	109
Opacity	ISO 2471	%	94	96	97.5	100	100
Whiteness	ISO 11475	%	157	157	157	157	157
Indigo			certified				
Additional print processes			Toner, Letterpress (300gsm), Offset				
Suitable for preprint			yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	3	4	4	7	8
Thickness	ISO 534	µm	3	3	5	7	8
Bulk	ISO 534	cm ³ /g					
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	1.5	1.5
Opacity	ISO 2471	%	1	1	1		
Whiteness	ISO 11475	%	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

Ageing resistant according to ISO 20494 and ISO 9706

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

SMOOTH White Datasheet

Grammage	ISO 536	gsm	100	120	160	240	300
Thickness	ISO 534	µm	130	154	176	300	393
Bulk	ISO 534	cm ³ /g	1.3	1.3	1.2	1.2	1.3
Roughness Bendtsen	ISO 8791-2	ml/min	110	110	110	110	110
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%	110	110	110	110	110
Opacity	ISO 2471	%	92.5	94	97	99	100
Whiteness	ISO 11475	%	148	148	148	148	148
Indigo			guaranteed				
Additional print processes			Toner, Letterpress (300gsm), Offset				
Suitable for preprint			yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	4	4	4	5	8
Thickness	ISO 534	µm	4	4	4	5	8
Bulk	ISO 534	cm ³ /g					
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	50	50
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%	1.5	1.5	1.5	1.5	1.5
Opacity	ISO 2471	%	1	1	1	1	
Whiteness	ISO 11475	%	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

Ageing resistant according to ISO 20494 and ISO 9706

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

SMOOTH Warmwhite Datasheet

Grammage	ISO 536	gsm	100	120	150	160	240	300
Thickness	ISO 534	µm	130	154	195	176	307	372
Bulk	ISO 534	cm ³ /g	1.3	1.3	1.3	1.1	1.3	1.25
Roughness Bendtsen	ISO 8791-2	ml/min	110	110	110	180	110	110
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	89.5	89.5	89.5	93.5	89.5	89.5
Opacity	ISO 2471	%	88.5	91	93	97	96.5	97.5
Whiteness	ISO 11475	%	78	78	78	78	78	78
Indigo			guaranteed					
Additional print processes			Toner, Letterpress (300gsm), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	3	3	5		5	8
Thickness	ISO 534	µm	3	4	5	2	6	8
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	50	50	50	40	50	50
Smoothness Bekk	ISO 5627	s						
Brightness	ISO 2471 (D65)	%	2	2	2	3	2	2
Opacity	ISO 2471	%	1	1	1	1	1	1
Whiteness	ISO 11475	%	2	2	2	2	2	2

Certificate

FSC Mix: SGSCH-COC-009212

Ageing resistant according to ISO 20494 and ISO 9706

GREEN RESPONSIBILITY

Production: acid free
61% renewable energies
vegan

EXTRAMATT RECYCLING Coldwhite Datasheet

Grammage	ISO 536	gsm	100	120	150	250	300
Thickness	ISO 534	µm	121	140	175	279	338
Bulk	ISO 534	cm ³ /g	1,21	1,17	1,17	1,12	1,12
Roughness Bendtsen	ISO 8791-2	ml/min	160	160	160	160	160
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%					
Opacity	ISO 2471	%	96	97,5	>99	>99	>99
Whiteness	ISO 11475	%	135	135	135	135	135
Indigo			guaranteed				
Scodix			tested				
Additional print processes			Toner, Letterpress (300gsm), Offset				
Suitable for preprint			yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm					
Thickness	ISO 534	µm	+/-6	+/-7	+/-9	+/-14	+/-17
Bulk	ISO 534	cm ³ /g	+/-0,6	+/-0,6	+/-0,6	+/-0,6	+/-0,6
Roughness Bendtsen	ISO 8791-2	ml/min	+/-40	+/-40	+/-40	+/-40	+/-40
Smoothness Bekk	ISO 5627	s					
Brightness	ISO 2471 (D65)	%					
Opacity	ISO 2471	%	-2	-2	-2	-2	-2
Whiteness	ISO 11475	%	-4/+1	-4/+1	-4/+1	-4/+1	-4/+1

Certificatee

FSC Recycled: SGSCH-COC-009212
blue Angel

EXTRAMATT White Datasheet

Grammage	ISO 536	gsm	115	130	145	165	300	400
							laminated	laminated
Thickness	ISO 534	µm	126,5	143	169,65	198	372	512
Bulk	ISO 534	cm ³ /g	1,10	1,10	1,17	1,20	1,24	1,28
Roughness Bendtsen	ISO 8791-2	ml/min	120	120	120	120	120	120
Smoothness Bekk	ISO 5627	s	30	30	30	30	30	30
Brightness	ISO 2471 (D65)	%	105	105	105	105	105	105
Opacity	ISO 2471	%	94	95	96	97	99	99
Whiteness	ISO 11475	%	138	138	138	138	138	138
Indigo			developed for Indigo					
Scodix			developed for Skodix					
Additional print processes			Toner, Letterpress (from 300gsm onwards), Offset					
Suitable for preprint			yes	yes	yes	yes		

Tolerances ±

Grammage	ISO 536	gsm	5	6	10	11	10	11
Thickness	ISO 534	µm	6	8	10	16	16	16
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min	40	40	40	40	40	40
Smoothness Bekk	ISO 5627	s	9	9	9	9	9	9
Brightness	ISO 2471 (D65)	%	2	2	2	2	2	2
Opacity	ISO 2471	%	2	2	2	2	2	2
Whiteness	ISO 11475	%	3	3	3	3	3	3

Certificatee

FSC Mix: SGSCH-COC-009212

SILK RECYCLING White Datasheet

Grammage	ISO 536	gsm	115	130	150	170	200	300
Thickness	ISO 534	µm	89,7	104	120	136	160	270
Bulk	ISO 534	cm ³ /g	0,8	0,8	0,8	0,8	0,8	0,9
Roughness Bendtsen	ISO 8791-2	ml/min						
Smoothness Bekk	ISO 5627	s	600	600	500	450	350	300
Brightness	ISO 2471 (D65)	%	97	97	97	97	97	97
Opacity	ISO 2471	%	95,5	96,5	97	97	97	98
Whiteness	ISO 11475	%	123	123	123	123	123	123
Indigo			certified (expired 2020)					
Additional print processes			Toner, Offset					

Tolerances ±

Grammage	ISO 536	gsm	3	3	4	4	5	7
Thickness	ISO 534	µm	3	3	5	5	6	8
Bulk	ISO 534	cm ³ /g						
Roughness Bendtsen	ISO 8791-2	ml/min						
Smoothness Bekk	ISO 5627	s	50	50	50	50	50	50
Brightness	ISO 2471 (D65)	%	1,5	1,5	1,5	1,5	1,5	1,5
Opacity	ISO 2471	%						
Whiteness	ISO 11475	%	3	3	3	3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

GREEN RESPONSIBILITY

60% Recycling (100% on request)
Production: acid free
renewable energies (6,5% wind energy)

EMBOSSSED Datasheet
Leather, Linen, Micro, Stone, Wood - one-sided embossing

Grammage	ISO 536	gsm	300	Coldwhite	White	Warmwhite
Thickness	ISO 534	µm	375			
Bulk	ISO 534	cm ³ /g	1,2			
Roughness Bendtsen	ISO 8791-2	ml/min				
Smoothness Sheffield	ISO 8791-3	s				
Brightness	ISO 2471 (D65)	%				
Opacity	ISO 2471	%	97			
Whiteness	ISO 11475	%		110,7	106,7	100
Indigo			*			
Additional print processes			Toner, Letterpress, Offset			

Tolerances ±

Grammage	ISO 536	gsm	7			
Thickness	ISO 534	µm	8			
Bulk	ISO 534	cm ³ /g				
Roughness Bendtsen	ISO 8791-2	ml/min				
Smoothness Sheffield	ISO 8791-3	s				
Brightness	ISO 2471	%				
Opacity	ISO 2471	%				
Whiteness	ISO 11475	%		3	3	3

Certificate

FSC Mix: SGSCH-COC-009212

* Raw material (before embossing) certified.
adjustments required - depending on machine type,
(lower temperature - in case of a 7s series: adjustments in transfer profile / contact pressure)
Caution in solids (in particular with Micro).

PURE COTTON / T-SHIRT Datasheet

T-Shirt

Grammage	ISO 536	gsm	350	710	350	710	324
Shade			White	White	Warmwhite	Warmwhite	White
				laminated		laminated	
Thickness	ISO 534	µm	560	1136	560	1136	457
Bulk	ISO 534	cm ³ /g	1,6	1,6	1,6	1,6	1,4
Roughness Bendtsen	ISO 8791-2	ml/min	1400	1400	1400	1400	350
Brightness	ISO 2471 (D65)	%	1,0	1,0	1,5	1,5	92
Opacity	ISO 2471	%					98
Whiteness	ISO 11476	%	142	142	77	77	140
Indigo			no > Toner	no	no > Toner	no	cert./i-Tone
Additional print processes			Toner (324gsm and 350gsm), Letterpress, Offset (only platen press)				

Tolerances ±

Grammage	ISO 536	gsm	18	36	18	36	
Thickness	ISO 534	µm	38	74	38	74	
Bulk	ISO 534	cm ³ /g					
Roughness Bendtsen	ISO 8791-2	ml/min	250	250	250	250	
Brightness	ISO 2471 (D65)	%					
Opacity	ISO 2471	%					
Whiteness	ISO 11475	%	3	3	3	3	

Certificate:

very good resistance against climatic conditions: humidity, heat, cold
Cotton, no wood fiber, hence not FSC certifiable

GREEN RESPONSIBILITY

alternative fiber: cotton
Pure Cotton: 100% cotton
T-Shirt: 100% recycled cotton (T-Shirts)

NEWSPRINT Datasheet

Grammage	ISO 536	gsm	80
Thickness	ISO 534	µm	90 - 100
Bulk	ISO 534	cm3/g	1.3
Roughness Bendtsen	ISO 8791-2	ml/min	
Smoothness Sheffield	ISO 8791-3	s	
Brightness	ISO 2471 (D65)	%	
Opacity	ISO 2471	%	98
Whiteness	ISO 11475	%	82
Indigo			suitable since lightly pigmented
Additional print processes			Toner, Riso, Offset
Suitable for preprint			yes

Tolerances ±

Grammage	ISO 536	gsm	2
Thickness	ISO 534	µm	
Bulk	ISO 534	cm3/g	
Roughness Bendtsen	ISO 8791-2	ml/min	
Smoothness Sheffield	ISO 8791-3	s	
Brightness	ISO 2471 (D65)	%	
Opacity	ISO 2471	%	
Whiteness	ISO 11475	%	

Certificate

FSC Mix: SGSCH-COC-009212 EU Ecolabel
lifespan class 6-40 (Durability of at least 50 years)

GREEN RESPONSIBILITY

ECF (elementary chlorine free)
63% recycled and 37% virgin fiber

LABELS & STICKER Datasheet

Upper Material			smooth		
			Coldwhite	White	Warmwhite
Grammage	ISO 536	gsm	90	90	90
Thickness (upper material)	ISO 534	µm	108	108	108
Thickness (Compound) - approx.		µm	190	190	190
Bulk (Obermaterial)	ISO 534	cm ³ /g	1,2	1,2	1,2
Roughness Bendtsen	ISO 8791-2	ml/min	120	120	120
Smoothness Sheffield	ISO 8791-3	s			
Brightness	ISO 2471 (D65)	%			
Opacity	ISO 2471	%	92	92	92
Whiteness	ISO 11475	%	158	148	80
Indigo			suitable		
Additional print processes			Toner, Offset		

extrarough
white
120
156
243
1,3
837
290
95
145
certified
Toner, Offset

Certificate

Upper material: FSC Mix: SGSCH-COC-009212 / in combination with the adhesive NOT certified!

Adhesive: permanently adherent, modified acrylate dispersion,
Durability: 4 years from the production date
(at 20+ Degree C and 50% rel. humidity)
Permitted for food packaging and direct contact with dry,
moist and fat-containing foods

Backing Paper: slitted

permanently adherent,
modified Acrylic dispersion
good heat resistance
non-standard applications:
tests recommended
backing paper: kraft,
white, single-sided coated (86g)
currently unslit

GREEN RESPONSIBILITY

Production: formaldehyde free, no heavy metals
vegan

acid free, formaldehyde free,
without optical brighteners
vegan

PROPHOTO LUSTRE White Datasheet

Grammage	ISO 536	gsm	190
Thickness	ISO 534	µm	190
Bulk	ISO 534	cm ³ /g	1,0
Roughness Bendtsen	ISO 8791-2	ml/min	
Smoothness Sheffield	ISO 8791-3	s	
Brightness	ISO 2471 (D65)	%	92
Opacity	ISO 22469	%	> 92
Whiteness	ISO 2469	%	> 140
Glanz	ISO 2813		30
Indigo			certified
Additional print processes			Toner (Ricoh)

Tolerances ±

Grammage	ISO 536	gsm	6
Thickness	ISO 534	µm	6
Bulk	ISO 534	cm ³ /g	
Roughness Bendtsen	ISO 8791-2	ml/min	
Smoothness Sheffield	ISO 8791-3	s	
Brightness	ISO 2471 (D65)	%	
Opacity	ISO 22469	%	
Whiteness	ISO 2469	%	
Glanz	ISO 2813		5

Certificate

FSC Mix: SGSCH-COC-009212

high ageing resistance (200+ years)

ECO Fibres Datasheet

			Jute		Straw		Birch		Bagasse de Colombia*	
			50% Rec. (kraft fiber)		50% Rec. (kraft fiber)		50% Rec. (kraft fiber)		100% sugar cane waste	
Grammage	ISO 536	gsm	120	300	120	300	120	300	150	295
Thickness	ISO 534	µm	153	360	153	360	153	360	205	457
Bulk	ISO 534	cm3/g	1,3	1,2	1,3	1,2	1,3	1,2	1,35	1,55
Roughness Bendtsen	ISO 8791-2	ml/min								
Smoothness Sheffield	ISO 8791-3	s							170	200
Brightness	ISO 2471	%							40	40
Opacity	ISO 2471	%								
Whiteness	ISO 11475	%								
Indigo			guaranteed		guaranteed		guaranteed		no	
Additional print processes			Toner, Riso, Letterpress (300gsm), Offset							

			Black		Black & White	
			100% mill waste		50% mill waste	
Grammage	ISO 536	gsm	150	300	300	
Thickness	ISO 534	µm	200			
Bulk	ISO 534	cm3/g	1,3			
Roughness Bendtsen	ISO 8791-2	ml/min				
Smoothness Sheffield	ISO 8791-3	s				
Brightness	ISO 2471	%				
Opacity	ISO 2471	%				
Whiteness	ISO 11475	%				
Indigo			developed f. Indigo		developed f. Indigo	
Additional print processes			Toner, Riso, Letterpress (300gsm), Offset			

*Bagasse: vegan, compostable, ideal for direct food contact

COLORS Datasheet

Grammage	ISO 536	gsm	120	300
Thickness	ISO 534	µm	175	440
Bulk	ISO 534	cm ³ /g	1,45	1,46
Roughness Bendtsen	ISO 8791-2	ml/min	1000	1150
Opazität ISO				
Indigo			certified	
Additional print processes			Toner, Riso, Letterpress (300gsm) Offset	
Suitable for preprint			yes	

Color value:

	C / M / Y / K
Anthracite	60 / 20 / 5 / 80
Merlot red	30 / 100 / 80 / 40
Anarchy red	30 / 100 / 80 / 0
Midnight blue	100 / 80 / 30 / 60
Flamingo	0 / 80 / 60 / 0
Dark Green	100 / 40 / 70 / 70
Violet	80 / 100 / 60 / 20
Orange	0 / 60 / 100 / 0
Yellow	5 / 20 / 100 / 0
Deep Blue	100 / 80 / 30 / 5
Mystic Green	30 / 10 / 100 / 50
Powder Rose	0 / 30 / 20 / 10
State Grey	5 / 10 / 10 / 80
Arctic Blue	30 / 5 / 5 / 20
Green Tea	50 / 20 / 60 / 5

Certificate

FSC Mix: SGSCH-COC-009212
lifespan class (LC): over 100 years

GREEN RESPONSIBILITY

100% biodegradable and recyclable

Greywhite, Greenwhite, Bluewhite, Rosewhite*

100	140	350
140	189	427
1,4	1,4	1,2
92	96	99
guaranteed		
yes yes		

* ROUGH 5% (5% Color + 95% White)

FSC Mix: SGSCH-COC-009212

MULTILOFT

Surface	COVER		extrarough	extrarough	extrarough	extrarough	extrasmooth	Magnet
Shade			white	warmwhite	earth	black	coldwhite	
Grammage	ISO 536	gsm	240	240	270	270	270	1350
Thickness	ISO 534	µm	356	356	305	305	305	530
Indigo			certified					
Additional print processes			Toner, Letterpress, Offset					

Surface	TOP		extrarough	Photo
Shade			white	white
Grammage	ISO 536	gsm	150	190
Thickness	ISO 534	µm	201	184
Indigo			certified	
Additional print processes			Toner, Offset	X

INSERTS	C / M / Y / K	gsm	µm
Coldwhite	2 / 0 / 0 / 0	325	406
White	0 / 0 / 0 / 0	325	406
Warmwhite	0 / 0 / 5 / 0	325	406
Black	0 / 0 / 0 / 100	270	356
Earth	0 / 80 / 60 / 0	270	356
Red	0 / 100 / 80 / 10	270	356
Dark Green	50 / 10 / 100 / 5	270	356
Light Green	30 / 0 / 40 / 0	270	356
Turquoise	50 / 0 / 20 / 0	270	356
Purple	40 / 60 / 0 / 0	270	356
Yellow	0 / 10 / 90 / 0	270	356
Orange	0 / 40 / 90 / 0	270	356
Magenta	0 / 100 / 0 / 0	270	356
Pink	0 / 40 / 5 / 0	270	356
Blue	100 / 30 / 0 / 10	270	356

MultiLoft is a unique, special application substrate, and as such, not subject to the same 1 cm or less sheet curl specification as non-treated sheets. Application of glues and/or coatings may lead to curling in excess of 1 cm, requiring the operator to apply back-curling massage of the stack prior to running through the press or printer.

Shelf life: dependent on environmental conditions (temperature, humidity, etc.): 1.5 - 2.5 years

Sealing pressure: > 22 kg/cm²

GREEN RESPONSIBILITY

Adhesive completely chemical-free:
rubber-based and water-based