

# Crescendo® C1S

## paperboard

### Packaging uses

- Beauty & Personal Care
- Food Packaging
- Healthcare
- Media & Electronics
- Spirits

Crescendo is a high quality, 100% virgin fibre, coated bleached paperboard (SBS) with superior performance and superior aesthetics. Unsurpassed in its reputation for outstanding runnability, printability, and consistency on press and through converting. Add in high brightness, clean-white styling, and a smooth surface and Crescendo becomes the preferred choice for any graphical or packaging application where quality matters.

### Commercial print

#### Features

Superior Runnability

Clean-White Styling

Smooth Surface

Quality Tactile Feel

Fade Resistance

#### Certifications

Manufacturing

Forestry and Procurement

Chain of Custody

Food Contact

Environmental and Safety

#### Classifications

Product Type

Mill

#### Benefits

Outstanding ink holdout, sheet cleanliness and consistency mean graphical or packaging jobs that optimise productivity and exceed customer expectations.

A distinctive clean-white styling delivers crisper colours and sharper contrast while maintaining optimal colour fidelity on press to produce eye catching graphics that demand attention. Uncoated backside styling matches the coated side for consistent visual appeal.

Crescendo's smooth surface delivers a visual aesthetic that denotes high quality. Full double-coating on the front, complemented by a super smooth uncoated side for a quality image front to back.

Unique fibre mix and finishing process result in high stiffness for a finished piece that feels as good as it looks.

Colourfast dyes provide fade resistance for shelf life and colour integrity.

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ISO 9001:2008

SFI Standards for Land Management and Wood Procurement (PEFC Endorsed)

SFI Chain of Custody Certified: BV-SFICOC-US08000163  
PEFC Chain of Custody Certification

USFDA 21 CFR §176.170 - Contact with Aqueous & Fatty Foods (with restriction). Excluding aqueous and moist foods due to optical brightener content.

USFDA 21 CFR §176.180 - Components of Paper and Paperboard in contact with Dry Food (without restriction)

ISEGA Certificate of Conformity - BfR XXXVI (dry and fatty foods only) and EU Regulation (EC) No 1935/2004

Acceptable for use with Kosher Foods

U.S. California Proposition 65 Compliant

CONEG Model Heavy Metal and EC/94/62 Article 11 Compliant

ASTM F 963-95 Toy Safety, EN 71-3 European Toy Safety Compliant

Elemental Chlorine Free (ECF) Bleached Fibre

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Solid Bleached Sulphate, SBS Paperboard, GZ

Covington, Virginia, U.S.A.

# Crescendo® C1S

Grade Availability & Typical Properties										Units	Method
Nominal Basis Weight		200	230	260	280	300	325	350	410	gsm	T-410
Caliper (pts)		0.010	0.012	0.0136	0.0148	0.016	0.0178	0.0194	0.0235	inches	T-411
Thickness		254	305	345	376	406	452	493	597	µm	T-411
Moisture		5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	percent	T-412
Internal Bond		160	150	150	150	150	150	150	150	J/m2	Um-403
<b>Stiffness</b>											
Taber 15°	MD	5.4	8.3	11.0	13.9	17.1	21.6	26.4	42.2	mNm	ISO2493
	CD	2.5	4.4	5.5	6.9	8.4	11.0	13.3	22.6	mNm	ISO2493
L&W 15°	MD	110	180	244	315	390	498	614	993	mN	ISO2493
	CD	46	94	120	153	191	252	309	532	mN	ISO2493
L&W 5°	MD	9.3	15.3	20.7	26.8	33.2	42.4	52.2	84.4	mNm	ISO2493
	CD	3.9	8.0	10.2	13.0	16.2	21.5	26.3	45.3	mNm	ISO2493
<b>Coated Side</b>											
ISO Brightness		91	91	91	91	91	91	91	91	percent	ISO2470
GE Brightness		92	92	92	92	92	92	92	92	percent	T-452
CIE Whiteness		122	122	122	122	122	122	122	122	percent	ISO11475
Gloss		51	51	51	51	51	51	51	51	percent	T-480
Parker Print		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	µm	ISO8791
<b>Colour</b>											
CIE	L	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	percent	CIELAB SCAN-P 72
	a	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	percent	CIELAB SCAN-P 72
	b	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	percent

Stiffness values shown represent measurements at the time of manufacture; field measurements are typically 3-5% higher.



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