Spectro® C1S and C2S

Digital and Digital for HP Indigo

Spectro is the paperboard designed to deliver superior quality, converting to eye-catching marketing collateral that stands out among the crowd. It's a single-ply paperboard with enhanced optics, making it ideal for premium digital applications that call for dynamic and vibrant images. It's the paperboard that provides a high-end experience, creating the perfect combination to make a lasting impression.

The Spectro packaging experience

Product uses

- Luxury beverage
- Cosmetic and perfume
- Health and beauty care
- Covers (books and magazines)
- Greeting cards, folders, lottery
- Calendars
- Shopping bags
- POS material
- Menus
- Direct mail
- Pharmaceutical and OTC
- Confectionery
- Fashion and lifestyle
- Consumer electronics

Product classification

Solid bleached board
Paperboard

Premium surface and printability

Spectro Digital delivers a uniform side-to-side printing surface, and its smooth surfaces feature a proprietary coating engineered for brilliant color reproduction, sharper details, and better ink hold-out. Whether using UV, aqueous, or specialty coatings, hot foil stamping, embossing, special effects, or varnishes, Spectro has the surface for the most demanding applications.

Enhanced optics for lasting impact

With a vibrant blue-white shade, high brightness, and unique coating formulation, Spectro minimizes fade resistance—ensuring lasting whiteness and image integrity.

A breadth of applications

From direct mail to luxury goods packaging to point-of-sale materials, Spectro offers unrivaled versatility for both commercial print and packaging applications as you build your brand. Expect high-quality performance across numerous applications, including digital and folio sizes, all made and stocked in the US for quicker availability.

Highest possible three-star rating

Spectro Digital for HP Indigo C1S and C2S products earned the highest three-star rating from the Rochester Institute of Technology's (RIT's) Printing Applications Laboratory. The rating is based on runnability, adhesion, and blanket compatibility as a part of the HP Indigo Media Certification Program.

Product attributes:

- High percentage of ink adhesion
- Excellent runnability with a high level of blanket cleanliness during normal testing intervals
- Side-to-side consistency
- Achieved photo-recommended levels of testing

Strict tolerance standards and side-to-side consistency

Manufactured within the tightest tolerance standards in the industry, Spectro's C1S uniform printing surface delivers minimal variability while Spectro C2S has the most consistent side-to-side printing surface available, delivering minimal variability within and across runs.

Consistent downstream performance

As a premium paperboard, Spectro has the strength and durability to offer optimum convertibility for folding, die-cutting, gluing, and other converting applications. It's designed with exceptional dimensional stability, providing more flexibility in layout and downstream operations.

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The Sappi experience

Innovation

In our state-of-the-art Somerset Mill located in Skowhegan, Maine, we continue to invest in machinery designed to deliver a high-quality product with optimal performance throughout the converting process.

Sustainability

Sappi North America is an industry leader in sustaining a low carbon footprint, with over 76% of our energy generated from renewable or alternative fuels. We are committed to decreasing energy consumption, reducing waste and improving process efficiencies across our entire manufacturing process. In 2020 we earned a Platinum rating from EcoVadis, a highly regarded rating firm assessing over 30,000 companies annually around the globe. Our platinum rating puts us in the top 1% of all companies surveyed across a broad range of social and environmental indicators.

Press certifications

Spectro C1S and C2S have been certified as compatible with all HP Indigo Digital offset color presses including the HP 7000, 7500, 7600, 7800, 1000, and 12000. In addition, Spectro Digital is suitable for many other dry toner digital printing presses.

Non-integrated supplier

With Sappi, your business is your business. We focus only on producing paperboard—prioritizing the needs of customers and providing you with a quality, cost-efficient product.

Sales and tech support

Our teams have the expertise and dedication to ensure customer success before and after the sale. The Sappi technical services group can help with all aspects of printing and converting, and our sales team provides end-to-end packaging support.

Certifications

All of Sappi North America's US-based coated paper and packaging mills are triple-certified in accordance with the leading global sustainable forestry chain of custody certification systems including the Forest Stewardship Council® (FSC®-C014955), the Sustainable Forestry Initiative® (SFI®) program and the Programme for the Endorsement of Forest Certification (PEFC/29-31-10). Product certifications are available upon request, pending availability of credits. The producing mill is ISO 9001, ISO 14001, OHSAS 18001 certified.

Food contact/health and safety

- US FDA Title 21 § CFR 176.170 and 176.180 compliant (restrictions may apply)
- Canada Food and Drug Regulations Section 23 compliant
- Elemental Chlorine Free (ECF)
- Canada EPA Chemical Challenge List compliant
- California Proposition 65 (labeling is not required)
- REACH Regulation 1907/2006/EC (registration is not required and the product does not contain any substances found on the SVHC Candidate List)
- RoHS (Restriction of Hazardous Substances) compliant
- Heavy metals: compliant with the Model Toxics in Packaging Legislation (formerly known as CONEG) and Directive 94/62/EC

Spectro C1S—Digital and Digital for HP Indigo

CALIPER (mils)	THICKNESS (microns)	TAG WEIGHT 24" × 36"	COVER WEIGHT 20" × 26"	GSM	GLOSS	SMOOTHNESS	BRIGHTNESS	L*a*b* PAPER WHITE
10	254	120	72	195	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
12	305	141	85	230	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
14	356	158	95	257	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
16	407	177	106	288	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]

Spectro C2S—Digital and Digital for HP Indigo

CALIPER (mils)	THICKNESS (microns)	TAG WEIGHT 24" × 36"	COVER WEIGHT 20" × 26"	GSM	GLOSS	SMOOTHNESS	BRIGHTNESS	L*a*b* PAPER WHITE
10	254	145	87	236	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
12	305	171	103	278	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
14	356	196	119	319	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]
16	407	217	132	353	50	1.0	92	95.00, 0.70, -6.30[1] 95.60, 1.06, -3.38[2]

Sappi Packaging products may be available as certified upon request. For more information, please contact your Sappi representative or visit our website at sappi.com.

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