

Technical specification sheet

Ball & Doggett

ballanddoggett.com.au

Product: Knight Smooth Digital

Category: Small Format Digital - Specialty Paper

Mill: Gruppo Cordenons SA

Website: www.gruppocordenons.com

Country of Origin: Italy

Technical specifications:

Basis Weight	g/m ²	90	105	120	140	170	200	225	280	300	350	400
Thickness	µm ISO 534	97±6	114±7	130±8	151±9	182±11	216±13	243±15	372±22	318±16	372±22	427±26
Smoothness Bendsten-wire side	ml/min	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30
Smoothness Bendsten-wire side	ml/min	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30	50±30
Brightness	% ISO 2470	111±2	111±2	111±2	111±2	111±2	111±2	111±2	111±2	111±2	111±2	111±2
CIE Whiteness D65/10+UV	ISO 11475	159	159	159	159	159	159	159	159	159	159	159
Stiffness MD	mN ISO 2493	6.4±2	-	-	-	-	-	-	158±40	175±43	204±51	-
Stiffness CD	mN ISO 2493	4.0±1	-	-	-	-	-	-	79±20	84±21	125±32	-
Cobb. 1 min (multisheet) top	g/m ² ISO 535	24±4	24±5	24±5	24±5	24±5	24±5	24±5	24±4	24±4	24±4	24±5
Cobb. 1 min (multisheet) back	g/m ² ISO 535	24±4	24±5	24±5	24±5	24±5	24±5	24±5	24±4	24±4	24±4	24±5

These characteristics are average values supplied for guidance purposes

Basis Weight	g/m ²	100	120	140	280	350
Thickness mm	µm	109±7	130±8	151±9	300±18	375±23
Smoothness Bendsten-wire side	ml/min	50±30	50±30	50±30	50±30	50±30
Smoothness Bendsten-wire side	ml/min	50±30	50±30	50±30	50±30	50±30
Brightness	% ISO 2470	80±2	80±2	80±2	80±2	80±2
Cobb. 1 min (multisheet) top	g/m ² ISO 535	24±5	24±5	24±5	24±5	24±5
Cobb. 1 min (multisheet) back	g/m ² ISO 535	24±5	24±5	24±5	24±5	24±5

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Certificates

- FSC Certified: Mix, ISO 9001 Quality Management System

Recommended Printing Tips

Screen rulings of 150 lpi to 200 lpi are recommended along with the use of fully oxidising inks.

The super-calendered surface gives higher ink hold out but can take longer to dry. Reducing ink and fountain solution and stacking in small lots is recommended. When scoring 350 & 400gsm.

We recommend a 2 or 3 point rounded rule.

Print & Finish Suitability

☒ Creasing	☒ Foiling	☒ Laser
☒ Die-Cutting	☒ Folding	☒ Scoring
☒ Digital	☒ Inkjet	☒ Varnishing
☒ Embossing	☐ Film Laminating	☒ Screen Ruling: 150-200 lpi
☐ Other:		

Applications

☒ Annual Reports	☒ Direct Mail	☐ Outdoor Use
☒ Brochures	☒ Folders	☒ Packaging
☒ Corporate Identity	☒ Invitations	☒ Presentation Material
☒ Other: Swing tags, Cards, Point of Sale, Envelopes		

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Environmental specifications:

Fibre

- | | | | |
|----------------------------------|--|-----------------------|----------|
| ☒ | Virgin: Manufactured with 100% virgin fibre. | ☐ | Recycled |
|----------------------------------|--|-----------------------|----------|

Forestry Certification

- | | | | | | |
|----------------------------------|----------------------------|-----------------------|-------------------|-----------------------|-------------------------------|
| ☒ | FSC Mixed Sources | ☐ | FSC 100% Recycled | ☐ | SFI Certified |
| ☐ | FSC Mixed Sources/Recycled | ☐ | PEFC Certified | ☐ | Mill's own procurement policy |

Recycled

- | | | | | | |
|-----------------------|-------------------------|-----------------------|------------------------|-----------------------|--------------|
| ☐ | Post Consumer Waste: 0% | ☐ | Pre Consumer Waste: 0% | ☐ | Fibre Source |
|-----------------------|-------------------------|-----------------------|------------------------|-----------------------|--------------|

Whitening Process

- | | | | | | |
|----------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ☒ | Elemental Chlorine Free | ☐ | Totally Chlorine Free | ☐ | Process Chlorine Free |
|----------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|

Environmental Awards or Accreditations

- | | | | | | |
|-----------------------|---------------|-----------------------|--------------|-----------------------|------------|
| ☐ | ISO 14001 EMS | ☐ | EMAS | ☐ | Blue Angel |
| ☐ | Nordic Swan | ☐ | Eu Eco-label | ☐ | NAPM |
| ☐ | Green Seal | ☐ | Eugropa | ☐ | Other: |

Water, Air & Waste

Water: Cordenons monitor and recycle all water in accordance with legal requirements.

Waste: Cordenons recycle and re-utilise all waste where possible.

Additional Information

Cordenons have a thorough fibre procurement policy that stipulate they only purchase fibre from responsibly managed forests.

Congratulations on making an environmentally responsible paper choice.

If you would like to include a product attribution statement on the back of your work, please submit your request to your nearest sample department or contact your sales representative.

Updated: 04.18

