

MetsäBoard Prime FBB Bright

PRODUCT SHEET

PRODUCT DESCRIPTION

Fully coated bleached paperboard with coated back

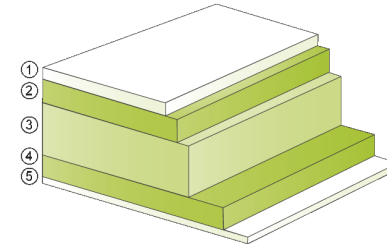
MAIN END USES

Covers, Cards, Graphic applications, Point-of-sales materials, Beautycare, Healthcare, Consumer electronics, Chocolate and confectionery

FEATURES

Printing methods	Offset, Gravure, Flexo, Digital printing
Food contact	EU Regulation (EC) No 1935/2004, USFDA21CFR§176.170*, USFDA21CFR§176.180*
Mill	Metsä Board Kyro

STRUCTURE



- 1) Multiple blade coating
- 2) Bleached chemical pulp
- 3) Bleached chemi-thermo-mechanical pulp (BCTMP)
- 4) Bleached chemical pulp
- 5) Blade coating

TECHNICAL INFORMATION

PROPERTY, UNIT	METHOD	STANDARD	TOLERANCE	VALUES											
Grammage g/m ²		ISO 536	± 2%	170	190	210	235	255	270	280	290	305	330	355	380
Bending stiffness CD mNm	Taber 15°	ISO 2493	- 15%	1.4	2.5	3.8	5.9	8.1	9.7	10.7	12.0	13.4	16.3	19.2	22.0
Bending stiffness MD mNm	Taber 15°	ISO 2493	- 15%	2.9	5.1	8.0	11.7	16.2	19.4	21.4	24.0	26.8	31.9	37.4	42.5
Thickness µm		ISO 534	± 3%	210	260	305	360	400	425	450	475	500	550	600	650
Moisture content %		ISO 287	± 1.0	6.5	6.5	7.0	8.0	8.0	8.5	8.5	8.5	8.5	9.0	9.0	9.0
Smoothness top µm	PPS10	ISO 8791-4	max 1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Smoothness back µm	PPS10	ISO 8791-4	max 6	4	4	4	4	4	4	4	4	4	4	4	4
Brightness top %	Illumination C/2°	ISO 2470-1	± 1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
Brightness back %	Illumination C/2°	ISO 2470-1	± 2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
Colour CIELAB L* top	Illumination C/2°	ISO 5631-1	± 1.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
Colour CIELAB a* top	Illumination C/2°	ISO 5631-1	± 0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Colour CIELAB b* top	Illumination C/2°	ISO 5631-1	± 1.0	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
Colour CIELAB L* back	Illumination C/2°	ISO 5631-1		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
Colour CIELAB a* back	Illumination C/2°	ISO 5631-1		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Colour CIELAB b* back	Illumination C/2°	ISO 5631-1		-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
Gloss %	Hunter 75°	ISO 8254-1	± 5	48	48	48	48	48	48	48	48	48	48	48	48
Off-flavour (Robinson test)	12 months in original package	EN 1230-2		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Tolerances, when specified, are based on 95% confidence limits on mill measurements of samples tested in paperboard manufacturing conditions.

Metsä Board Paperboard mills have PEFC(TM) and FSC® chain of custody certificates.

*Please contact Metsä Board for details of country-specific restrictions and/or limitations.

Issued 02.07.2020. Supersedes sheet dated 24.04.2019