

MetsäBoard Prime FBB Bright

For luxury packaging & graphical end-uses



MetsäBoard Prime FBB Bright is a fully coated bleached paperboard with coated back for luxury packaging and graphical end-uses. Our flagship grade combines superb brightness, whiteness and stiffness. Its dashing white look, bluish white shade and excellent printability enhance luxurious designs and special features.

Key advantages

- Engineered for premium and luxury packaging applications
- Coated white reverse side
- High brightness and superior surface smoothness for advanced print fidelity
- Perfect for high-end printing and special effects



End-uses: Graphic applications, beautycare, pharma and healthcare, chocolate and confectionery, wine and spirits, consumer electronics

Optimized offering

8.3 pt (170 gsm)
10.2 pt (190 gsm)
12 pt (210 gsm)
14.2 pt (235 gsm)
15.7 pt (255 gsm)
16.7 pt (270 gsm)
17.7 pt (280 gsm)
18.7 pt (290 gsm)
19.7 pt (305 gsm)
21.7 pt (330 gsm)
23.6 pt (355 gsm)
25.6 pt (380 gsm)

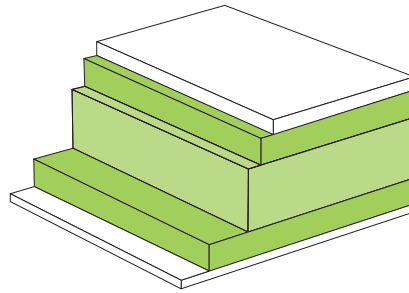


MetsäBoard Prime FBB Bright

Features:

Printing method: Offset, Digital,
Gravure, Flexo

Food contact: EU Regulation (EC)
No 1935/2004,
USFDA21CFR§176.170*,
USFDA21CFR§176.180*



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

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			
Caliper		ISO 534		8.3	10.2	12.0	14.2	15.7	16.7	17.7	18.7	19.7	21.7	23.6	25.6			
Thickness µm		ISO 534	± 3%	210	260	305	360	400	425	450	475	500	550	600	650			
Bending stiffness CD	Taber 15°	ISO 2493-2	- 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	Taber 15°	ISO 2493-2	- 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			
Moisture content %		ISO 287	± 1.0	6.5	6.5	7.0	8.0	8.0	8.5	8.5	8.5	8.5	8.5	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 reverse 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 reverse %	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			
Color 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			
Color 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			
Color 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			
Color CIELAB L* reverse	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			
Color CIELAB a* reverse	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			
Color CIELAB b* reverse	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			
Water absorption top 1 min g/m ²	Cobb 1 min	ISO 535		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50			
Gloss %	Hunter 75°	ISO 8254-1	± 5	48	48	48	48	48	48	48	48	48	48	48	48			
Off-flavor (Robinson test)	12 mo in orig. pack	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 FSC® / C001580 and PEFC™ / 02-31-92 CoC certificates.

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