

# PRODUCT SHEET

## Carta Integra

### PRODUCT DESCRIPTION

Fully coated bleached paperboard with coated back

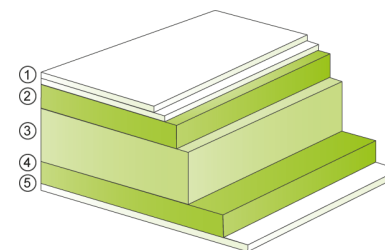
### MAIN END USES

Covers, Cards, Multimedia (CD/DVD packs), Point-of-sales materials, Beautycare, Healthcare, Directories, Confectionery

### FEATURES

Printing methods Sheet-fed offset, Gravure, Flexo, Serigraphy, Digital printing  
Mill Metsä Board Äänekoski

### STRUCTURE



- 1) Double 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 <sup>2</sup>		ISO 536	± 2%	170	190	210	235	250	265	285	315	330
Bending stiffness CD mNm	Taber 15°	ISO 2493	± 15%	1.4	2.5	3.8	5.4	7.0	8.4	11.0	14.0	16.0
Bending stiffness MD mNm	Taber 15°	ISO 2493	± 15%	2.9	5.1	8.0	11.2	14.5	17.5	22.6	28.8	33.2
Thickness mm		ISO 534	± 3%	0.210	0.260	0.305	0.355	0.380	0.410	0.455	0.505	0.535
Moisture content %		ISO 287	± 1.0	6.0	6.0	6.5	7.0	7.0	7.3	7.6	7.6	7.8
Smoothness top µm	PPS10	ISO 8791-4	max 1.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Brightness top %	Illumination C/2°	ISO 2470-1	± 1	91	91	91	91	91	91	91	91	91
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
Colour CIELAB L* top	Illumination C/2°	ISO 5631-1	± 1.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
Colour CIELAB a* top	Illumination C/2°	ISO 5631-1	± 0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Colour CIELAB b* top	Illumination C/2°	ISO 5631-1	± 1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Colour CIELAB L* back	Illumination C/2°	ISO 5631-1		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
Colour CIELAB a* back	Illumination C/2°	ISO 5631-1		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Colour CIELAB b* back	Illumination C/2°	ISO 5631-1		-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
Gloss %	Hunter 75°	TAPPI T 480	± 5	48	48	48	48	48	48	48	48	48
Robinson test	12 months in original package	EN 1230-2		<1	<1	<1	<1	<1	<1	<1	<1	<1

Tolerances, when specified, are based on 95% confidence limits on single mill measurements of random samples measured in manufacturing conditions.  
Metsä Board Paperboard mills have PEFC chain of custody, FSC chain of custody and FSC controlled wood certificates.  
Issued 01.10.2010. Supersedes sheet dated 01.06.2008 | CAINTE