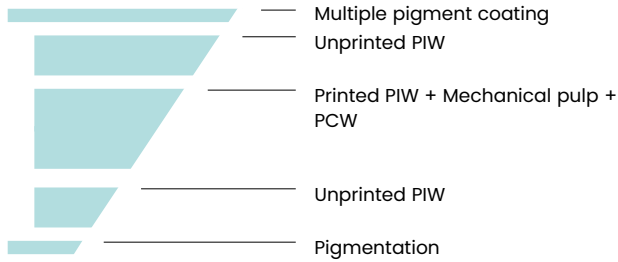


### 1. Board structure



	% of total	+/- in % of total
<b>Virgin fibre</b>	20	5
<b>Paper from Post Industrial Waste (PIW)</b>	50	10
<b>Paper from Post Consumer Waste (PCW)</b>	20	10
<b>Pigment coating</b>	10	5
<b>Total</b>	100	

### 2. Technical specifications

Grammage	Caliper	Stiffness				
		L&W 5° md	L&W 5° cd	L&W 5°	Taber 15° md	Taber 15° cd
g/m <sup>2</sup>	µm / pt	mNm	mNm	$\sqrt[3]{(md \times cd)}$	mNm	mNm
230	305 / 12.0	13.2	6.0	8.9	7.3	3.0
250	330 / 13.0	16.7	7.3	11.0	9.3	3.7
280	370 / 14.6	22.0	9.6	14.5	11.9	4.7
300	400 / 15.7	28.0	12.2	18.5	14.7	5.9
320	430 / 16.9	34.0	14.8	22.4	17.9	7.2
350	465 / 18.3	43.8	19.0	28.9	22.4	8.9
400	530 / 20.9	62.2	27.0	41.0	31.1	11.9
450	605 / 23.8	82.6	34.4	53.3	39.3	14.9

### 3.

Property	Value	Tolerances	Test standard
<b>Brightness top (%)</b>	80	- 1	ISO 2470-2
<b>Brightness reverse (%)</b>	72	+/- 2	ISO 2470-2
<b>Grammage (g/m<sup>2</sup>)</b>		+/- 2%	ISO 536
<b>Caliper (µm)</b>		+/- 5%, > 350 g/m <sup>2</sup> +/- 3%	ISO 534
<b>Stiffness (mNm)</b>		- 15% <sup>1</sup>	DIN 53121
<b>Testing climate</b>	23°C	+/- 1°C	ISO 187
	50%	+/- 2% rh	
<b>Recyclability</b>	confirmed	in terms of the norm	EN 13430

<sup>1</sup>Permissible: -15% of the target stiffness. This applies to 100% of all measured single values. The single value is a calculated average of five measurements per sheet. The stiffness has to be measured at both sides. The resulting average value is then the stiffness of the single sample. L&W 5° figures are binding, Taber figures are indicative.

All figures mentioned above may be subject to technical changes.



MCB PLUS stands out above all on account of its excellent stiffness values and is ideal for use with high-quality packaging where the ecological benefit is considered to be vital.

**Brightness**

Top



**Brightness**

Reverse



### 1. Features

- Good brightness
- Consistent, stable quality
- High stiffness

### 2. Applications\*

- Dry Food
- Chilled Food (secondary packaging)
- Frozen Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Pharma and Health Care
- Cosmetics and Personal Care
- Other Non-Foods

### 3. Mill Certificates

Downloadable certifications

Forest management

PEFC [CU-PEFC-COC-900931](#)

FSC® [C003336](#)

Environmental manag. [ISO 14001](#)

Food Safety [ISO 22000](#)

Quality management [ISO 9001](#)

### 4. Mill Information

MM Kolicovo (Slovenia) offers the following features:

- Board machine with swing mode
- Flexible production of virgin fibre and recycled cartonboard as well as liner
- Experienced, innovative production team and professional technical support
- Strategically located to the Western, Eastern and Southern European markets
- Short transportation routes and flexible service guaranteed

### 5. Storage Recommendation

Storage conditions	temperature	relative humidity
Favorable dust free, climatized	20-23°C	50-55%

Please store in undamaged original wrapping film.

### 6. Acclimatisation

Temperature difference Pallet to printing room 20°C	Time in printing room before unpacking in hours
5°C	10 11 12
10°C	20 22 24
15°C	30 34 35
20°C	40 46 50
Volume of pallet in m³	0.7 1.0 1.4

Remove the packaging film just before printing. Optimum processing climate: 22-23°C, 50-52% rel. humidity.

\*It is a general recommendation for enduse applications; legally binding is only the declaration of compliance issued by MM Board & Paper for each individual type of cartonboard.

If you are interested in MCB PLUS or have any further questions, please contact