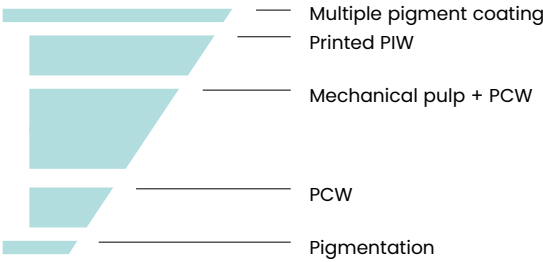


1. Board structure



	% of total	+/- in % of total
Virgin fibre	10	5
Paper from Post Industrial Waste (PIW)	20	10
Paper from Post Consumer Waste (PCW)	60	10
Pigment coating	10	5
Total	100	

2. Technical specifications

Grammage	Caliper	Stiffness				
		L&W 5° md	L&W 5° cd	L&W 5°	Taber 15° md	Taber 15° cd
		mNm	mNm	$\sqrt[3]{(md \times cd)}$	mNm	mNm
280	365 / 14.4	19.0	8.0	12.3	10.2	4.0
300	390 / 15.4	22.5	10.0	15.0	11.8	5.0
320	420 / 16.5	28.0	12.0	18.3	15.0	6.0
350	465 / 18.3	35.5	16.0	23.8	18.9	7.8
380	505 / 19.9	42.5	19.5	28.8	22.2	9.7
400	530 / 20.9	51.0	23.0	34.2	26.4	11.3
420	555 / 21.9	58.0	26.0	38.8	30.1	12.9
450	595 / 23.4	68.0	30.0	45.2	34.6	14.6

3.

Property	Value	Tolerances	Test standard
Brightness top (%)	82	- 1	ISO 2470-2
Grammage (g/m²)		+/- 2%	ISO 536
Caliper (µm)		+/- 5%, > 350 g/m² +/- 3%	ISO 534
Stiffness (mNm)		- 15% ¹	DIN 53121
Testing climate	23°C 50%	+/- 1°C +/- 2% rh	ISO 187
Recyclability	confirmed	in terms of the norm	EN 13430

¹Permissible: -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.



MCM SMART is perfectly suitable for high-speed converting and is produced in the MM Multi-Mill concept. Produced at MM Kolicevo (Slovenia), MM Gernsbach (Germany) and MM Frohnleiten (Austria), MCM SMART meets important market requirements – consistent quality and high supply security, combined with short lead times.

Brightness

Top

82 %

1. Features

- Good stiffness
- MM Multi-Mill concept: high supply reliability and short lead times due to production in three mills

3. Mill Certificates

Downloadable certifications

Chain of Custody

Our products are also available with FSC® or PEFC certification on request.

FSC® (FSC®-C003336)

PEFC (PEFC/06-33-215)

Environmental manag. ISO 14001

Food safety ISO 22000

Quality management ISO 9001

2. Applications*

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

4. Mill Information

MM Kolicevo (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	20-23°C	50-55%
dust free, climatised	68-73.4°F	

Please store in undamaged original wrapping film.

6. Acclimatisation

Temperature difference Pallet to printing room 20°C / 68°F	Time in printing room before unpacking in hours		
5°C / 4°F	10	11	12
10°C / 50°F	20	22	24
15°C / 59°F	30	34	35
20°C / 68°F	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 / 71.6-73.4°F, 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 MCM SMART or have any further questions, please contact

marketing-boardpaper@mm.group

mm.group/boardpaper

[General Terms of Trade](#)