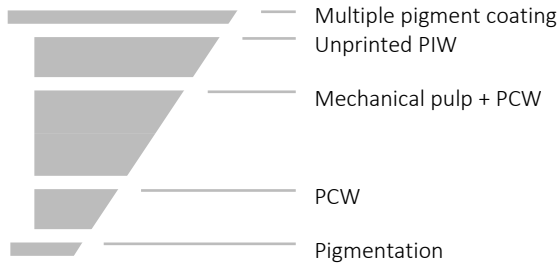


1 Board structure



	% of total	+/- in % of total
Virgin fibre	10	5
PIW	20	10
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	$\sqrt{(md \times cd)}$	mNm	mNm
g/m ²	µm					
250	310	13.2	5.7	8.7	7.3	3.2
280	350	19.2	8.0	12.4	10.4	4.3
300	380	24.0	10.0	15.5	12.6	5.3
320	410	30.5	12.3	19.4	16.0	6.5
350	450	39.2	15.7	24.8	20.1	8.0
380	495	51.2	19.9	31.9	26.2	10.1
400	525	59.2	22.7	36.7	30.3	11.6
420	545	66.7	25.5	41.2	33.3	12.7
450	580	77.7	29.6	48.0	38.8	14.8
500	640	97.2	37.0	60.0	46.3	17.6
550	715	116.5	44.4	71.9	55.5	21.1

3

Property	Value	Tolerances	Test standard
Brightness top	80	- 1	ISO 2470-2
Grammage (g/m ²)		+/- 2%	ISO 536
Caliper (µm)		+/- 5%, > 350 g/m ² +/- 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
Biodegradability	confirmed	in terms of the norm	EN 13432

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.



Grafopak – the multi-talent for South East Europe – impresses with its good printability and consistently high quality, thereby guaranteeing the best converting performance. Produced in the Slovenian mill in Kolicevo, short lead times to South East Europe are guaranteed.

Brightness

Top

80 %

1 Features

- high stiffness
- good printability
- consistent, stable quality

2 Applications*

- Dry Food
- Chilled Food (secondary packaging)
- Frozen Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Shelf-Ready Packaging

3 Mill Certificates

Downloadable certifications

Forest management

PEFC [06-33-215](#)

FSC® [C003336](#)

Hygiene management [EN 15593 \(HACCP\)](#)

Food Safety [ISO 22000](#)

Quality management [ISO 9001](#)

4 Mill Information

The mill Kolicevo (Slovenia) offers the following features:

- Board machine with swing mode
- Flexible production of virgin fibre and recycled cartonboard as well as liner
- Pioneer of product innovations (e.g. natural Kraft cartonboard)
- 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 m ³	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 Grafopak or have any further questions, please contact