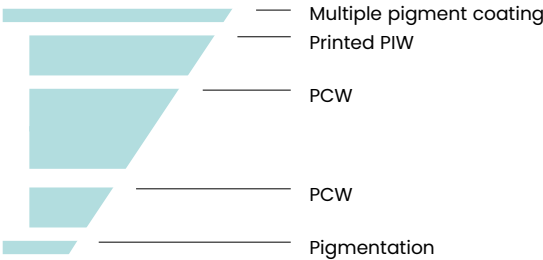




1. Board structure



	% of total	+/- in % of total
Paper from Post Industrial Waste (PIW)	20	10
Paper from Post Consumer Waste (PCW)	65	10
Pigment coating	15	5
Total	100	

2. Technical specifications

Grammage	Caliper	Burst strength	SCT cd
g/m ²	µm / pt	kPa	kN/m
180	195 / 7.7	380	2.7
195	210 / 8.3	395	2.8
210	230 / 9.1	410	3.0
230	255 / 10.0	430	3.2
250	275 / 10.8	450	3.4
280	310 / 12.2	470	3.7
300	330 / 13.0	490	3.9

3.

Property	Value	Tolerances	Test standard
Brightness top (%)	86	- 1	ISO 2470-2
Roughness Bendtsen top (ml/min)	40	+ 20	ISO 8791-2
Grammage (g/m²)		+/- 3%	ISO 536
Caliper (µm)		+/- 5%	ISO 534
Burst strength (kPa)		- 15%	ISO 2759
SCT cd (kN/m)		- 0.3	ISO 9895
Testing climate	23°C 50%	+/- 1°C +/- 2% rh	ISO 187
Recyclability	confirmed	in terms of the norm	EN 13430



MM TOPLINER – the market leader for top-class offset printing – impresses with exceptional colour density, excellent printing contrasts and the reproduction of detailed half-tone pictures. The reverse side of MM TOPLINER is treated with a preparation that facilitates lamination. MM TOPLINER turns any corrugated packaging into an eye-catcher and delivers the key competitive advantage at the POS.

Brightness

Top

86 %

1. Features

- High brightness
- Excellent smoothness
- Highest gloss levels
- Best opacity
- Homogenous structure thanks to multiple pigment coating

2. Applications*

- Dry Food
- Frozen Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Detergent (powder)
- Shelf-Ready Packaging
- Graphical Applications
- Other Non-Foods

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)

Food Safety

ISO 22000

Quality management

ISO 9001

Energy management

ISO 50001

4. Mill Information

The mill Neuss (Germany) offers the following features:

- High performance recycled liner and board machine – 5.20 m wide
- Optimal reel width for recycled liner up to 2.8 m
- Experienced, innovative production team and professional technical support
- Strategically located to the Western, Eastern and Southern European markets
- Flexible leadtimes and excellent service guaranteed

5. Storage Recommendation

Storage conditions	temperature	relative humidity
Favorable	20-23°C	50-55%
dust free, climatized	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 MM TOPLINER or have any further questions, please contact

marketing-boardpaper@mm.group

mm.group/boardpaper

[General Terms of Trade](#)