

# MM TOPLINER SMART

MMT SMA / LIN

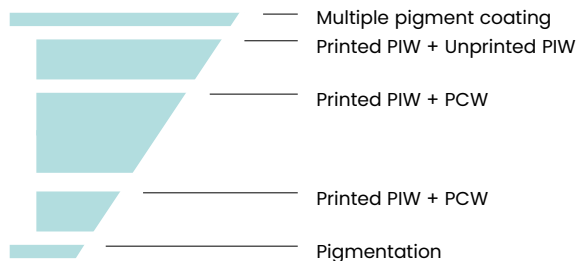
Code no. 44103



Mill

MM Kolicevo d.o.o., Slovenia

## 1. Board structure



	% of total	+/- in % of total
<b>Paper from Post Industrial Waste (PIW)</b>	30	10
<b>Paper from Post Consumer Waste (PCW)</b>	55	10
<b>Pigment coating</b>	15	5
<b>Total</b>	100	

## 2. Technical specifications

Grammage	Caliper	Burst strength	SCT cd
g/m <sup>2</sup>	μm / pt	kPa	kN/m
180	200 / 7.9	320	2.6
195	225 / 8.9	340	2.8
210	245 / 9.6	360	2.9
230	270 / 10.6	380	3.1
250	310 / 12.2	400	3.3
280	350 / 13.8	420	3.6

## 3.

Property	Value	Tolerances	Test standard
<b>Brightness top (%)</b>	83	- 2	ISO 2470-2
<b>Roughness Bendtsen top (ml/min)</b>	60	+ 20	ISO 8791-2
<b>Grammage (g/m<sup>2</sup>)</b>		+/- 2%	ISO 536
<b>Caliper (μm)</b>		+/- 5%	ISO 534
<b>Burst strength (kPa)</b>		- 15%	ISO 2759
<b>SCT cd (kN/m)</b>		- 0.3	ISO 9895
<b>Testing climate</b>	23°C	+/- 1°C	ISO 187
	50%	+/- 2% rh	
<b>Recyclability</b>	confirmed	in terms of the norm	EN 13430

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Last update of values 11.12.2025



MM TOPLINER SMART – the liner for high-volume applications – has been well-established in the market for many years for all forms of corrugated board applications. MM TOPLINER SMART combines an attractive appearance with optimum economic and ecological performance and is produced both in Kolicevo (Slovenia) and in Neuss (Germany) in accordance with the MM Multi-Mill concept. MM TOPLINER SMART meets important market requirements – consistent quality and high reliability of supply combined with short lead times.

## Brightness

Top

83 %

## 1. Features

- High efficiency in printing process and further converting steps
- Good brightness
- Good smoothness and gloss
- MM Multi-Mill concept: high supply reliability and short lead times due to production in two 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

## 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.

## 2. Applications\*

- Dry Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Detergent (powder)
- Shelf-Ready Packaging
- 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

## 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.