

# MULTICOLOR MIRABELL

Code no. 42127



MCM / GD2

Mill

MM Frohnleiten GmbH, Austria

## 1 Board structure

	Multiple pigment coating	% of total	+/- in % of total	
	Printed PIW + PCW + Unprinted PIW	Virgin fibre	15	5
	Mechanical pulp + PCW	Paper from Post Industrial Waste (PIW)	15	5
	PCW + Unprinted PIW	Paper from Post Consumer Waste (PCW)	60	10
	Pigmentation	Pigment coating	10	5
		<b>Total</b>	<b>100</b>	

## 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	$\sqrt{(md \times cd)}$	mNm	mNm
230	290 / 11.4	10.1	4.6	6.8	5.4	2.5
250	340 / 13.4	15.4	7.0	10.4	7.5	3.4
280	380 / 15.0	20.9	9.5	14.1	10.7	4.9
300	410 / 16.1	24.7	11.2	16.6	12.6	5.8
320	435 / 17.1	31.8	13.3	20.6	16.2	6.4
350	490 / 19.3	42.0	17.0	26.7	20.6	7.8
380	540 / 21.3	53.0	21.2	33.5	25.2	10.1
400	565 / 22.2	60.9	24.4	38.5	28.0	11.3
420	590 / 23.2	68.7	27.5	43.5	32.4	12.9
450	625 / 24.6	77.9	31.2	49.3	37.5	15.0
500	690 / 27.2	96.1	38.5	60.8	47.0	18.8
550	760 / 29.9	121.4	48.5	76.7	60.3	24.1

Property	Value	Tolerances	Test standard
Brightness top	82	- 1	ISO 2470-2
Grammage (g/m <sup>2</sup> )		+/- 2%	ISO 536
Caliper (µm)		+/- 5%, > 350 g/m <sup>2</sup> +/- 3%	ISO 534
Stiffness (mNm)		- 15% <sup>1</sup>	DIN 53121
Testing climate	23°C	+/- 1°C	ISO 187
	50%	+/- 2% rh	
Recyclability	confirmed	in terms of the norm	EN 13430
Biodegradability	confirmed	in terms of the norm	EN 13432

<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.



Multicolor Mirabell – the top-selling recycled cartonboard in Europe – has won many awards. The reliability of delivery is guaranteed as production takes place in two locations: Frohnleiten (Austria) and Gernsbach (Germany). Customers and distribution partners therefore benefit from maximum supply reliability as well as consistently high quality.

### Brightness

Top

82 %

## 1 Features

- High brightness
- Very good smoothness and opacity
- High stiffness
- MultiMill concept: high supply reliability and short lead times due to production in two mills

## 2 Applications\*

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

## 3 Mill Certificates

Downloadable certifications

Forest management

PEFC [06-33-215](#)

FSC® [C003336](#)

Environmental manag. [ISO 14001](#)

[EMAS](#)

Food Safety [ISO 22000](#)

Quality management [ISO 9001](#)

## 4 Mill Information

The mill Frohnleiten (Austria) offers the following features:

- Pioneer of the latest technologies and innovations
- Largest R&D center in the cartonboard industry globally
- Highest production capacity in the European cartonboard industry
- 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, climatised	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 <sup>3</sup>	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.