

## 1 Board structure

	% of total	+/- in % of total
Multiple pigment coating		
Printed PIW		
Mechanical pulp + PCW		
PCW		
Pigmentation		
<b>Virgin fibre</b>	10	5
<b>Paper from Post Industrial Waste (PIW)</b>	20	10
<b>Paper from Post Consumer Waste (PCW)</b>	60	10
<b>Pigment coating</b>	10	5
<b>Total</b>	100	

## 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	$\sqrt[3]{(md \times cd)}$	mNm	mNm
250	330 / 13.0	15.4	7.0	10.4	7.5	3.4
280	370 / 14.6	20.9	9.5	14.1	10.7	4.9
300	395 / 15.6	24.7	11.2	16.6	12.6	5.8
320	425 / 16.7	31.8	13.3	20.6	16.2	6.4
350	475 / 18.7	42.0	17.0	26.7	20.6	7.8
380	520 / 20.5	53.0	21.2	33.5	25.2	10.1
400	545 / 21.5	60.9	24.4	38.5	28.0	11.3
420	575 / 22.6	68.7	27.5	43.5	32.4	12.9
450	610 / 24.0	77.9	31.2	49.3	37.5	15.0
500	675 / 26.6	96.1	38.5	60.8	47.0	18.8

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 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

<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: Gernsbach (Germany) and Frohnleiten (Austria). 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](https://www.pefc.org/certification/06-33-215)

FSC® [C003336](https://www.fsc.org/certification/C003336)

Quality management [ISO 9001](https://www.iso.org/standard/60000.html)

Energy management [ISO 50001](https://www.iso.org/standard/60000.html)

## 4 Mill Information

The mill Gernsbach (Germany) offers the following features:

- One of the most efficient recycled cartonboard mills in Europe
- Experienced, innovative production team and professional technical support
- Strategically located to the Western and Eastern 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 m³	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 Multicolor Mirabell or have any further questions, please contact

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[www.mm-boardpaper.com](http://www.mm-boardpaper.com)

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