

MULTICOLOR SPEZIAL

Code no. 43131

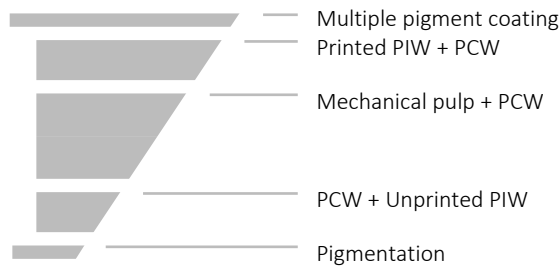


MCS / GD3

Mill

MM Frohnleiten GmbH, Austria

1 Board structure



	% of total	+/- in % of total
Virgin fibre	5	5
PIW	20	10
PCW	60	10
Pigment coating	15	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
g/m ²	µm	mNm	mNm	$\sqrt{(md \times cd)}$	mNm	mNm
230	280	8.0	3.6	5.4	3.6	1.7
250	300	10.7	4.9	7.2	5.8	2.6
280	345	16.6	7.6	11.2	8.1	3.7
300	370	20.5	9.3	13.8	10.7	4.9
320	400	27.2	10.9	17.2	13.6	5.5
350	450	33.0	13.2	20.9	17.8	7.2
380	500	42.7	17.1	27.0	21.7	8.6
400	530	49.7	19.9	31.4	25.0	10.0
420	560	55.1	22.1	34.9	27.6	11.1
450	600	67.6	27.1	42.8	34.4	13.7
500	675	93.8	37.6	59.4	46.4	18.5
550	755	118.0	47.3	74.7	58.3	23.4

Property	Value	Tolerances	Test standard
Brightness top (% Elrepho)	78	- 1	ISO 2470-2
Grammage (g/m ²)		+/- 2%	EN ISO 536
Caliper (µm)		+/- 5%, > 350 g/m ² +/- 3%	EN 20534
Stiffness (mNm)		- 15% ¹	DIN 53121
Testing climate	23°C	+/- 1°C	EN ISO 186
	50%	+/- 2% rh	
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.



Multicolor Spezial – the economic choice – combines ecological with economic benefits. Complete reliability of supply can be guaranteed by production 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



1 Features

- good converting results
- consistent, stable quality
- MultiMill concept: high supply reliability and short lead times due to production in two mills

2 Applications*

- Chilled Food (secondary packaging)
- Beverages (secondary packaging)
- Shelf-Ready Packaging
- Other Non-Foods

3 Mill Certificates

Downloadable certifications

Forest management

FSC® [TUVDC-COC-100867-A](#)

FSC® [TUVDC-CW-100867-A](#)

PEFC™ [DC-COC-000867](#)

Environmental manag. [ISO 14001](#)

[EMAS](#)

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

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
Standard dust free	max 40°C	25-80%
Favorable dust free, climatised	20-25°C	40-55%

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.