

# MULTICOLOR SPEZIAL

MCS / GD3

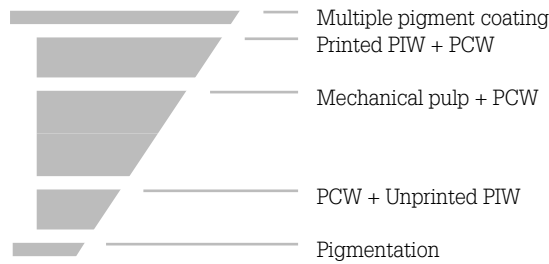
Code no. 43131



Mill

Mayr-Melnhof Kart. Frohnleiten Gesellschaft m.b.H., Austria

## 1 Board structure



	% of total board	+/- in % of total
<b>Virgin fibre</b>	5	5
<b>PIW</b>	20	10
<b>PCW</b>	60	10
<b>Pigment coating</b>	15	5
<b>Total</b>	100	

## 2 Technical specifications

Grammage	Caliper	Stiffness				
		L&W 5° md	L&W 5° cd	L&W	Taber 15° md	Taber 15° cd
g/m <sup>2</sup>	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

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

<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 figures are binding, Taber figures are indicative.

All figures mentioned above may be subject to technical changes.

Vs. last version only board structure was changed, technical values stay unchanged.

# MULTICOLOR SPEZIAL

MCS / GD3 / Recycled Cartonboard

Code no. 43131



Mill

Mayr-Melnhof Kart. Frohnleiten Gesellschaft m.b.H., Austria

Last update of values 21.11.2018



Multicolor Spezial – the economic choice – combines ecological with economic benefits. Complete reliability of supply can be guaranteed by production in four locations: Frohnleiten (Austria), Hirschwang (Austria), Gernsbach (Germany) and Kolicovo (Slovenia). Customers and distribution partners therefore benefit from maximum supply reliability as well as consistently high quality.

## Brightness

Top

78 %

## 1 Features

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

grammages:

230 250 280 300 320 350 380 400 420 450 g/m<sup>2</sup>

## 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 Informations

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

\*It is a general recommendation for enduse applications; legally binding is only the declaration of compliance issued by MM Karton for each individual type of cartonboard.

If you are interested in Multicolor Spezial or have any further questions, please contact [WLC@mm-karton.com](mailto:WLC@mm-karton.com) [www.mm-karton.com](http://www.mm-karton.com)