

MULTICOLOR MIRABELL

MCM / GD2

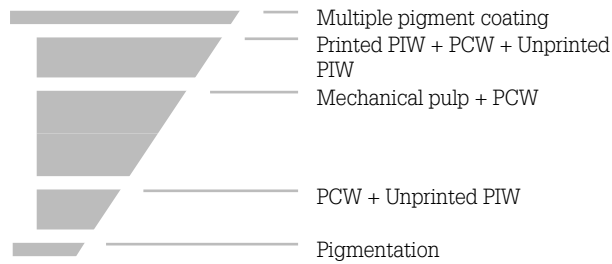
Code no. 42127



Mill

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

1 Board structure



| | % of total board | +/- in % of total |
|------------------------|------------------|-------------------|
| Virgin fibre | 15 | 5 |
| PIW | 15 | 5 |
| PCW | 60 | 10 |
| Pigment coating | 10 | 5 |
| Total | 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 ² | µm | mNm | mNm | $\sqrt{(md \times cd)}$ | mNm | mNm |
| 230 | 290 | 10.1 | 4.6 | 6.8 | 5.4 | 2.5 |
| 250 | 340 | 15.4 | 7.0 | 10.4 | 7.5 | 3.4 |
| 280 | 380 | 20.9 | 9.5 | 14.1 | 10.7 | 4.9 |
| 300 | 410 | 24.7 | 11.2 | 16.6 | 12.6 | 5.8 |
| 320 | 435 | 31.8 | 13.3 | 20.6 | 16.2 | 6.4 |
| 350 | 490 | 42.0 | 17.0 | 26.7 | 20.6 | 7.8 |
| 380 | 540 | 53.0 | 21.2 | 33.5 | 25.2 | 10.1 |
| 400 | 565 | 60.9 | 24.4 | 38.5 | 28.0 | 11.3 |
| 420 | 590 | 68.7 | 27.5 | 43.5 | 32.4 | 12.9 |
| 450 | 625 | 77.9 | 31.2 | 49.3 | 37.5 | 15.0 |

| Property | Value | Tolerances | Test standard |
|-----------------------------------|-------|---------------------------------------|---------------|
| Brightness top (% Elrepho) | 82 | - 1 | ISO 2470-2 |
| Grammage (g/m²) | | +/- 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 | |

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 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.

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MCM / GD2 / Recycled Cartonboard

Code no. 42127



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Last update of values 21.11.2018



Multicolor Mirabell – the top-selling recycled cartonboard in Europe – has won many awards. Absolute reliability of delivery is guaranteed as production takes place in four locations: Frohnleiten (Austria), Hirschwang (Austria), Neuss (Germany), 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 four mills

grammages:

230 250 280 300 320 350 380 400 420 450 g/m²

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

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.