

# UD BROWN

UD brown / UD2

Code no. 52108

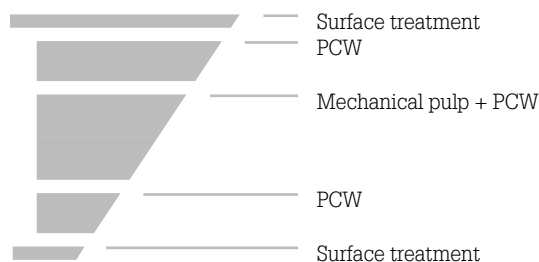


Mill

Mayr-Melnhof Karton Hirschwang Gesellschaft m.b.H., Austria

Last update of values 21.07.2019

## 1 Board structure



	% of total board	+/- in % of total
<b>Virgin fibre</b>	5	5
<b>PCW</b>	90	10
<b>Surface treatment</b>	5	3
<b>Total</b>	100	

## 2 Technical specifications

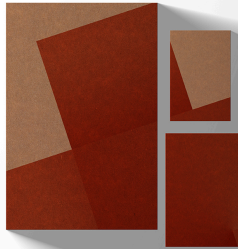
Grammage	Caliper	Stiffness				
		L&W 5° md	L&W 5° cd	L&W	Taber 15° md	Taber 15° cd
g/m <sup>2</sup>	µm	mNm	mNm	$\sqrt{(md \times cd)}$	mNm	mNm
400	560	52.0	15.0	27.9	24.0	8.8
450	640	73.0	24.0	41.9	33.0	10.9
500	700	100.0	34.0	58.3	51.0	16.0

Property	Value	Tolerances	Test standard
<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	
<b>Recyclability</b>	confirmed	in terms of the norm	EN 13430
<b>Biodegradability</b>	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 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.



UD Braun – the sustainable surprise – reflects the ongoing trend for natural products: the brown top and reverse sides emphasize the sustainability and give a “green” feeling thanks to its pleasing tactility which adds a valuable, personal note to the packaged products.

## 1 Features

- consistently brown top and reverse sides
- pleasantly tactile
- good converting results
- guarantees natural presentation

grammages:

400 450 500 g/m<sup>2</sup>

## 2 Applications\*

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

## 3 Mill Certificates

Downloadable certifications

Forest management

FSC® [TUVDC-COC-100867-B](#)

FSC® [TUVDC-CW-100867-B](#)

PEFC™ [DC-COC-000867](#)

[20 100 141375484](#)

[20 100 141375484](#)

Environmental manag. [ISO 14001](#)

[EMAS](#)

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

Quality management [ISO 9001](#)

## 4 Mill Informations

The mill Hirschwang (Austria) offers the following features:

- specialised in high grammages
- cartonboard for various special applications (e.g. food and beverages, deep drawing applications, shipping packaging)
- experienced, innovative production team and professional technical support
- 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.