ALASKA STRONG

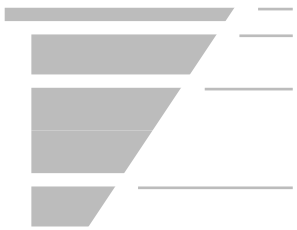
Code no. 12701

AL ST / GC2

Mill
MM Kotkamills, Finland

Last update of values 17.07.2023

1 Board structure



	% of total	+/- in % of total
Virgin fibre	90	5
Pigment coating	10	5
Total	100	

2 Technical specifications

Grammage	Caliper	Stiffness				Bending Resistance		Moisture
		Taber 15° md	Taber 15° cd	L&W 5° md	L&W 5° cd	L&W 15° md	L&W 15° cd	
g/m²	µm / pt	mNm	mNm	mNm	mNm	mN	mN	(absolute) %
180	305 / 12.0	6.5	3.0	11.4	4.4	135	62	7.8
190	325 / 12.8	8.3	3.9	15.0	6.2	172	81	7.8
200	350 / 13.8	10.3	5.0	18.9	8.4	212	104	8.0
210	375 / 14.8	12.4	5.9	23.2	10.2	256	122	8.0
225	400 / 15.7	14.4	7.2	27.2	12.8	298	149	8.0
235	425 / 16.7	16.4	8.2	31.2	14.8	339	170	8.0
245	450 / 17.7	18.6	9.3	35.6	17.0	385	193	8.0
260	480 / 18.9	22.0	11.0	42.4	20.4	455	228	8.5
270	500 / 19.7	24.6	12.3	47.6	23.0	509	255	8.5
290	550 / 21.7	30.5	15.5	59.4	29.4	632	321	8.7
310	600 / 23.6	36.4	18.5	71.3	35.4	754	383	9.0
340	650 / 25.6	45.0	22.0	88.4	42.4	932	455	9.0
360	695 / 27.4	52.0	27.0	102.4	52.4	1076	559	9.0
380	740 / 29.1	61.0	31.0	120.4	60.4	1263	642	9.0

3

Property	Value	Tolerances	Test standard
Brightness top (%)	87	+/- 2%-units	ISO 2470-2
Smoothness PPS top (µm)	1.2	max 1.6	ISO 8791-4
Gloss 75° (%)	45	> 30	ISO 8254-1
Ply Bond (J/m²)	150	min 120	TAPPI T569
Cobb 180 sec. top (g/m²)	50	< 70	ISO 535
Cobb 180 sec. reverse (g/m²)	50	< 70	ISO 535
Grammage (g/m²)		+/- 3%	ISO 536
Caliper (µm)		+/- 4%	ISO 534
Stiffness (mNm)		-15%[1]	ISO 2493
Moisture absolute (%)		+/- 1%-units	ISO 287
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

[1]Permissible: -15% of the target stiffness. Tolerances are based on single measurements of random sheets and a 95% confidence level. The stiffness has to be measured at both sides. Taber figures are binding, L&W figures are indicative. All figures mentioned above may be subject to technical changes.

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Code no. 12701

AL ST / GC2 / Virgin Fibre Cartonboard

Mill
MM Kotkamills, FINLAND

Last update of values 19.07.2023

ALASKA STRONG is distinguished by excellent printability that is obtained thanks to the smooth surface and optical properties of the board. It is characterized by a very good material efficiency gained by high stiffness-to-weight-ratio and superior convertability. Its versatility and wide range offers a selection for a large variety of applications. It is ideally suited to various finishing techniques ensuring that graphic design stands out on any printing.

Brightness

Top

87 %

1 Features

- Excellent stiffness
- Great yield
- Very good printability
- Optimum laser coding properties
- Optimum inkjet coding properties

2 Applications*

- Dry Food
- Chilled Food (secondary packaging)
- Frozen Food
- Chocolate and Confectionery
- Pharma and Health Care
- Cosmetics and Personal Care
- Other Non-Foods

3 Mill Certificates

Downloadable certifications

Forest management	
PEFC	32-31-049
FSC®	C005528
Environmental manag.	ISO 14001
Food Safety	ISO 22000
Quality management	ISO 9001
Health & safety	ISO 45001

4 Mill Information

MM Kotkamills (Finland) offers the following features:

- Europe's most modern virgin fibre cartonboard machine
- Specialized in virgin fibre qualities for food service/challenging applications
- Portfolio of light-weighted FBB including qualities with sustainable barrier boards against moisture and grease
- Innovative production team and professional technical support
- Located in Kotka next to the biggest export harbor of Finland

5 Storage Recommendation

Storage conditions	temperature	relative humidity
Favorable dust free, climatised	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 are only the declaration of compliance and the sensory statement issued by MM Board & Paper for each individual type of cartonboard.
If you are interested in ALASKA STRONG or have any further questions, please contact

CERTIFICATE

on the evaluation of recyclability within the paper industry

MM Kotkamills Boards Oy
P.O. Box 62-63
48101 Kotka,
Finland

On the basis of the laboratory analysis and in accordance with the criteria of the PTS method **PTS-RH 021:2012 (Draft Oct 2019)** the sample described below

Product name	**ALASKA® STRONG** (Former name: Aegle Pro)
Product description	**Semi-finished packaging product: Fully coated folding box-board (GC2) with uncoated reverse side (180 – 380 gsm, tested 270 gsm)**
Product category acc. to PTS-RH 021:2012	**II – Packaging products as well as paper and board** (for the manufacture of packaging products)
Recyclable percentage[1]	**98.4 %**

is classified as

'recyclable'

Within standard stock preparation of the packaging paper industry.

This certificate loses its validity in case of qualitative or quantitative changes of the components of the tested sample and is only applicable in connection with the test report No. AB.0002685-K1 dated 08th September 2022.

Heidenau, 08th September 2022

Lydia Tempel
Head of Business Unit
Smart & Circular Solutions

Mike Schiefer
Method supervisor

[1] Recyclable percentage (Fibre yield) means the percentage suitable for recycling or usable in papermaking. It corresponds to total mass of the sample (50g oven-dry ≙ 100%) minus total reject