

# Technical specification sheet

**Product:** Simcote

**Category:** Packaging - Cartonboard

**Country of Origin:** Finland

## Technical specifications:

### PRODUCT DESCRIPTION

Fully coated folding boxboard, hard sized, GC2

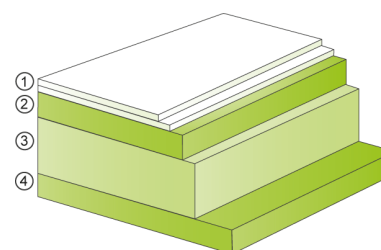
### MAIN END USES

Foods, Beverages, Frozen food, Healthcare, General packaging, Retail-ready packaging

### FEATURES

Printing methods Sheet-fed offset, Flexo, Digital printing  
Food Contact EU Regulation (EC) No 1935/2004,  
USFDA21CFR§176.170\*, USFDA21CFR§176.180\*  
Mill Metsä Board Simpele, Metsä Board Kyro

### STRUCTURE



- 1) Double blade coating
- 2) Bleached chemical pulp
- 3) Bleached mechanical pulp
- 4) Bleached chemical pulp

### TECHNICAL INFORMATION

PROPERTY, UNIT	METHOD	STANDARD	TOLERANCE	VALUES									
Grammage g/m <sup>2</sup>		ISO 536	± 2%	200	210	225	235	250	260	275	290	315	340
Bending stiffness CD mNm	Taber 15°	ISO 2493	- 15%	4.7	5.8	7.0	8.4	9.7	11.0	12.6	15.8	18.9	22.1
Bending stiffness MD mNm	Taber 15°	ISO 2493	- 15%	10.5	12.1	15.0	17.0	19.2	22.6	25.2	31.0	37.8	45.2
Thickness µm		ISO 534	± 3%	350	375	400	425	450	475	500	550	600	650
Moisture content %		ISO 287	± 1.0	8.0	8.0	8.0	8.5	8.5	8.5	8.5	8.5	9.0	9.0
Smoothness top µm	PPS10	ISO 8791-4		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Brightness top %	Illumination C/2°	ISO 2470-1	± 1	84	84	84	84	84	84	84	84	84	84
Colour CIELAB L* top	Illumination C/2°	ISO 5631-1	± 1.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
Colour CIELAB a* top	Illumination C/2°	ISO 5631-1	± 0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Colour CIELAB b* top	Illumination C/2°	ISO 5631-1	± 1.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Gloss %	Hunter 75°	ISO 8254-1	± 5	35	35	35	35	35	35	35	35	35	35
Off-flavour (Robinson test)	12 months in original package	EN 1230-2		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Tolerances, when specified, are based on 95% confidence limits on mill measurements of samples tested in paperboard manufacturing conditions. Metsä Board Paperboard mills have PEFC(TM) and FSC® chain of custody certificates.

\*Please contact Metsä Board for details of country-specific restrictions and/or limitations.

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