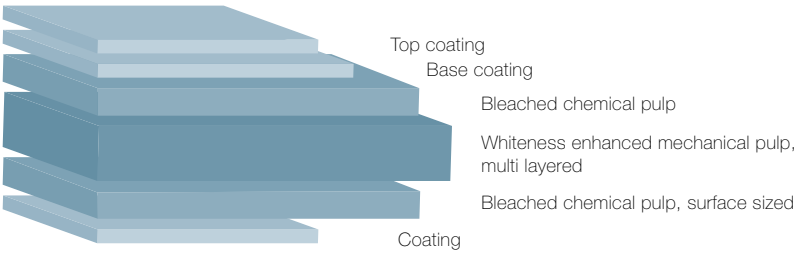
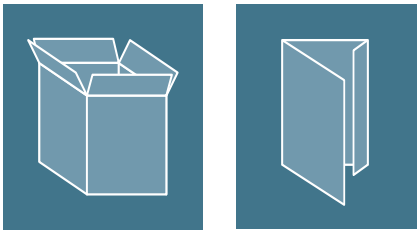
Incada Silk

Folding Box Board, GC1





Product description

Incada Silk is designed for quality packaging and graphical applications which require outstanding visual impact. It is a fully coated white back folding box board finished to a matt level which gives excellent results in both solid print and half tone illustrations and it easily develops a high print and varnish gloss. The reverse side is single coated and finished to a matt level which gives an aesthetically pleasing appearance and provides improvements compared to an uncoated surface regarding smoothness and uniformity in ink absorption.

Incada Silk is a primary fibre paperboard comprising bleached chemical pulp outer plies, mechanical pulp middle plies and carefully chosen coating ingredients which together meet the requirements for high performance in quality printing and varnishing.

The fully coated finish gives a very smooth surface and meets the requirements for both demanding half tone gravure and offset litho processes, where smoothness and uniform ink absorption are of prime importance. The ink setting and drying properties also ensure good runnability in high speed offset litho processes. Incada Silk works well in most digital printing presses on the market today and is suitable for digital finishing technology.

Grammage (g/m²)	220	240	260	280	300	325	350
Thickness (µm)	330	365	405	445	485	540	590
Caliper (pt)	13.0	14.4	15.9	17.6	19.1	21.3	23.2
Tolerances: Grammage ± 4% (ISO 536) Thickness ± 4%, max ± 20 µm (ISO 534)							

Certifications					
Product related	ECF	FSC® Mix	Food contact	Toy safety	
		FSC-C002067	EC 1935/2004, EC 2023/2006[1)], American FDA, German BfR	EN 71 Part 3 EN 71 Part 9	
	All fibres from sustainable and controlled sources in compliance with the EU Timber Regulation EC 995/2010.				
Mill related	ISO 14001	FSC® C. o. C.	ISO 9001	ISO 45001	ISO 50001
	EcoVadis Platinum Standard				
[1)] the GMP regulation, extended with CEPI GMP					

More information, application examples as well as environmental declarations and other certificates can be found at www.iggesund.com.

Product properties

Properties					
	Printing side		Reverse side		Methods/Remarks[1]
		Tolerances		Tolerances	
Grammage (g/m²)	220-350		220-350	± 4%	ISO 536
Colour					
L* (%)	95.2	±0.8	96.0	±0.8	ISO 5631-2
a*	1.4	±0.6	0.9	±0.6	ISO 5631-2
b*	-7.2	±1.0	-5.2	±1.0	ISO 5631-2
Whiteness (%)	120	±2.5	114	±5.0	ISO 11475
ISO brightness (%)	91.5	±2.0	90.5	±2.0	ISO 2470
Surface roughness (µm)	0.9 [2]	≤ 1.2	3.5	≤ 5.5	ISO 8791-4
Board gloss 75° (%)	50	±10	-	-	ISO 8254-1
Surface strength IGT (m/s)					
blister/pick	1.0	≥ 0.85[3]	-	-	ISO 3783
Cobb (g/m² 60 s)	30	-	30	-	ISO 535
Robinson taint	Below the detection limit of 0.6			-	EN 1230, DIN 10955

[1] See section *General Technical Information*
[2] Surface roughness for 220 is 1.0
[3] Surface strength for 220 is ≥ 0.75

Grammage dependent properties								Tolerances	Methods/Remarks[1]
Grammage (g/m²)	**220**	**240**	**260**	**280**	**300**	**325**	**350**	± 4%	ISO 536
Thickness (µm)	330	365	405	445	485	540	590	± 4%	ISO 534
Moisture content (%)	6.5	8.0	8.0	8.5	8.5	8.5	8.5	± 1.0	ISO 287
Bending stiffness L&W 5° (mNm)									
MD	18.3	25.2	33.0	42.0	52.2	65.8	80.5	-	ISO 5628
CD	7.9	10.5	14.2	18.3	23.0	29.1	35.6	-	ISO 5628
Bending resistance L&W 15° (mN)									
MD	218	271	351	442	544	683	831	-15%	ISO 2493
CD	91	122	159	201	248	311	377	-15%	ISO 2493
Bending moment Taber 15° (mNm)									
MD	10.5	13.1	16.9	21.3	26.3	33.0	40.2	-15%	ISO 2493
CD	4.4	5.9	7.7	9.7	12.0	15.0	18.2		
Ply Bond (J/m²)	130	150						≥100[2]	TAPPI 569

[1] See section *General Technical Information*
[2] For 220 gsm the tolerances is ≥90

Issued date: 02.2021

All properties are measured in test climate 23°C/50% RH at Workington mill. Tolerances and max/min levels, when stated, are based upon 95% confidence limits within each production run.