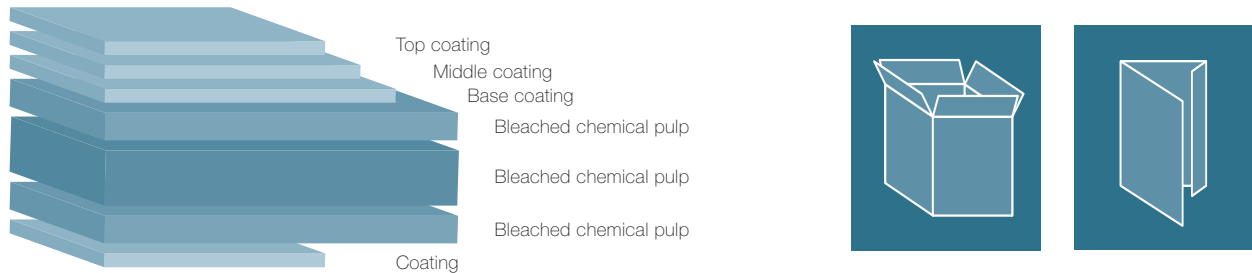


Invercote G

Solid Bleached Board, GZ



Product description

Invercote G is designed for graphical products and prestige packaging where an exceptional aesthetic result is desired. Invercote G has a smooth surface that is tailored to faithfully reproduce the most sophisticated printed images and to meet the high demands of flawless foil and film lamination. This surface, combined with Invercote G's excellent structural, design and embossing characteristics make it ideal for the most demanding printing applications. Invercote G is recommended for high-end graphical applications and packaging, also for aroma and flavour sensitive products.

The printing side is triple coated and the reverse side is single coated, both sides are finished to a matt level. The 180 and 200 g/m² grammage versions are produced without reverse side coating. Thanks to its composition of multiple layers of solid bleached primary fibres, Invercote G has a superior strength and toughness compared to board grades that contain mechanical or recycled fibres or single-ply bleached primary fibre board. This strength gives several advantages in carton designing and processing, in packaging operations and in the use of the package itself.

A patented coating formula provides outstanding lightfastness, giving the end products a longer life. In addition to traditional printing techniques, Invercote is qualified and certified for most digital printing presses on the market today and suitable for digital finishing technology. Invercote G is also available as linen embossed sheets in all grammages.

Invercote G in the grammages 260-380 g/m² is certified as biodegradable and compostable in compliance with the demands in the Directive EN 13432:2000.

Grammage (g/m ²)	180	200	220	240	260	280	300	330	350	380
Thickness (µm)	205	235	260	300	330	360	395	435	465	505
Caliper (pt)	8.1	9.3	10.2	11.8	13.0	14.2	15.6	17.1	18.3	19.9
Tolerances: Grammage ± 4% (ISO 536) Thickness ± 4% (ISO 534)										

The range is further extended by Invercote Duo, available in grammages 410–770 g/m².

Certifications						
Product related	ECF	PEFC credit material	FSC® Mix FSC-C110018	Food contact	Toy safety	Archiving
		2778 PEFC	TUEV-COC-000232	EC 1935/2004, EC 2023/2006 ¹⁾ , American FDA, German BfR	EN 71 Part 3 EN 71 Part 9	ISO 9706
	All fibres from sustainable and controlled sources in compliance with the EU Timber Regulation EC 995/2010.					
Mill related	ISO 14001	ISO 9001	FSC® C. o. C.	PEFC C. o. C.	OHSAS 18001	ISO 50001
EcoVadis Gold 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							Methods/Remarks ¹⁾
	Printing side		Reverse side			Tolerances	
		Tolerances		Tolerances			
Grammage (g/m ²)	180-380	± 4%	180-200 ²⁾	± 4%	220-380	± 4%	ISO 536
Colour							
L* (%)	96.7	±0.8	96.4	-	96.5	-	ISO 5631-2
a*	2.3	±0.6	2.0	-	1.6	-	ISO 5631-2
b*	-7.9	±1.1	-5.0	-	-7.0	±1.1	ISO 5631-2
Whiteness (%)	129	±5	110	-	122	-	ISO 11475
ISO brightness (%)	94	±2	90	-	94	-	ISO 2470
Surface roughness (µm)	0.9	≤ 1.4	-	-	5.0	≤ 7.0	ISO 8791-4
Board gloss 75° (%)	40	±10	-	-	-	-	ISO 8254-1
Surface strength IGT (m/s)							
blister	0.7	≥ 0.5	-	-	-	-	ISO 3783
pick	1.3	≥ 0.8	-	-	-	-	ISO 3783
Cobb (g/m ² 60 s)	30	≤ 40	30	≤ 40	30	≤ 40	ISO 535
Ply Bond (J/m ²)	160					≥ 120	TAPPI 569
Moisture content (%)	6.0					±1.0	ISO 287
Robinson taint	Below the detection limit of 0.6					-	EN 1230, DIN 10955

¹⁾ See section *General Technical Information*

²⁾ The 180 and 200 g/m² are produced without reverse side coating, thus other optical properties

Grammage dependent properties											Tolerances	Methods/Remarks ¹⁾
Grammage (g/m ²)	180	200	220	240	260	280	300	330	350	380	± 4%	ISO 536
Thickness (µm)	205	235	260	300	330	360	395	435	465	505	± 4%	ISO 534
Opacity	94.0	95.6	97.0	97.6	98.0	98.4	98.6	98.8	99.0	99.2	-	ISO 2471
Bending stiffness ³⁾ L&W 5° (mNm)												
MD	5.5	8.2	11.9	16.2	20.8	29.9	38.5	50.8	61.8	77.9	-	ISO 5628
CD	2.5	3.7	5.4	7.5	9.7	12.5	16.0	21.0	25.0	31.0	-	ISO 5628
Bending resistance L&W 15° (mN)												
MD	65	95	140	190	245	315	405	550	650	820	-15%	ISO 2493
CD	30	45	64	83	107	137	180	230	275	345	-15%	ISO 2493
Bending moment Taber 15° (mNm)												
MD	3.1	4.6	6.8	9.2	11.8	15.2	19.6	26.5	31.4	39.6	-15%	ISO 2493
CD	1.4	2.2	3.1	4.0	5.2	6.6	8.7	11.1	13.3	16.7	-15%	ISO 2493
Tensile strength (kN/m)												
MD	17.0	18.5	20.0	21.5	23.0	24.0	25.5	28.0	29.5	31.0	-	ISO 1924-2
CD	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.5	14.0	14.5	-	ISO 1924-2
Tearing resistance (mN)												
MD	2000	2300	2700	3100	3300	3700	4300	4700	5200	6400	-	ISO 1974
CD	2000	2350	2800	3300	3600	4000	4600	5100	5600	6400	-	ISO 1974

¹⁾ See section *General Technical Information*

³⁾ Stiffness ratings are reduced by 30% for embossed versions

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