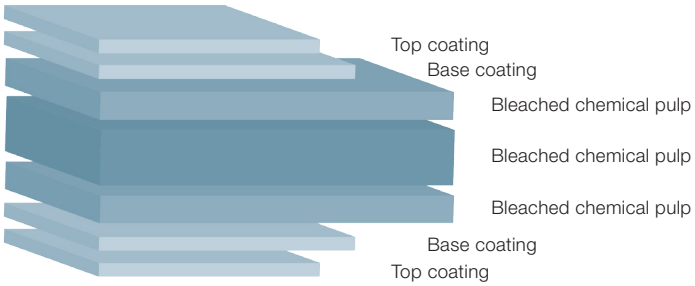
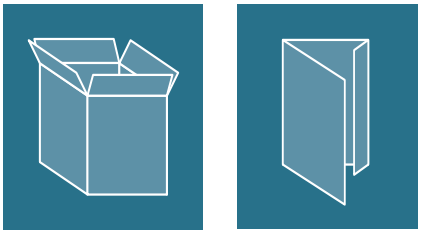
Solid Bleached Board, GZ





Product description

Invercote Creato is designed for graphical products, and offers equal, outstanding aesthetic printing properties on both sides. Both sides are fully coated and have a matt finish. Invercote Creato has a smooth surface that is tailored to faithfully reproduce the most sophisticated printed images. This surface, combined with Invercote Creato's excellent structural, design and embossing characteristics, make it ideal for demanding graphical applications.The whiteness level is tailored to ensure the best print contrast and colour reproduction properties required for high-end print productions. A patented coating formula provides outstanding lightfastness, giving the end products a longer life.

Thanks to its composition of multiple layers of solid bleached primary fibres, Invercote Creato 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 designing and producing brochures, covers and cards of various kinds. 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.

Due to the excellent consistency of Invercote Creato its performance is predictable and dependable, making repeat print runs with the same machine settings and excellent print results possible.

Grammage (g/m²)	200	220	240	260	280	300	350	400
Thickness (µm)	200	230	260	290	315	345	415	485
Caliper (pt)	7.9	9.1	10.2	11.4	12.4	13.6	16.3	19.1
Tolerances: Grammage ± 5% (ISO 536) Thickness ± 5% (ISO 534)								

The range is further extended by Invercote Duo, available in grammages 370–770 g/m².

Certifications						
Product related	ECF	PEFC credit material	FSC® Mix	Food contact	Toy safety	Archiving
		2778 PEFC	44 751 117551	EC 1935/2004, EC 2023/2006[1)], American FDA, German BfR	EN 71 Part 3, ISO 8124-3:2010.	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.		
[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 properties - both sides identical		
		Tolerances	Methods/Remarks[1)]
Grammage (g/m²)	200-400	± 5%	ISO 536
Colour			
L* (%)	96.5	±0.8	ISO 5631-2
a*	2.3	±0.6	ISO 5631-2
b*	-7.8	±1.1	ISO 5631-2
Whiteness (%)	127	±5	ISO 11475
ISO brightness (%)	94	±2	ISO 2470
Surface roughness (µm)	1.2	≤ 1.6	ISO 8791-4
Board gloss 75° (%)	40	±10	ISO 8254-1
Surface pH	8.5	+1/-1.5	1)
Ink absorption (%)	35	-	1)
Surface strength IGT (m/s)			
blister	0.7	≥ 0.5	ISO 3783
pick	1.3	≥ 0.8	ISO 3783
Cobb (g/m² 60 s)	30	-	TAPPI 569
Ply Bond (J/m²)	160	≥ 120	ISO 535
Moisture content (%)	5.5	±1.0	ISO 287
Robinson taint	Below the detection limit of 0.6	-	EN 1230, DIN 10955

1) See section *General Technical Information*

Grammage dependent properties									Tolerances	Methods/Remarks[1)]
Grammage (g/m²)	200	220	240	260	280	300	350	400	± 5%	ISO 536
Thickness (µm)	200	230	260	290	315	345	415	485	± 5%	ISO 534
Opacity	96.0	96.5	97.5	98.0	98.3	98.5	99.0	99.5	-	ISO 2471
Bending stiffness L&W 5° (mNm)										
MD	6.9	10.1	13.5	18.7	24.3	30.1	47.8	72.4	-	ISO 5628
CD	3.3	4.8	6.4	8.9	11.6	14.4	22.8	33.6	-	ISO 5628
Bending resistance L&W 15° (mN)										
MD	74	108	150	204	265	300	520	820	-15%	ISO 2493
CD	34	49	70	95	122	151	250	375	-15%	ISO 2493
Bending moment Taber 15° (mNm)										
MD	3.6	5.2	7.2	9.8	12.8	14.5	25.1	39.6	-15%	ISO 2493
CD	1.6	2.4	3.4	4.6	5.9	7.3	12.1	18.1	-15%	ISO 2493
Tensile strength (kN/m)										
MD	20.0	21.0	22.0	23.5	24.0	25.0	28.0	31.5	-	ISO 1924-2
CD	9.5	10.5	11.0	11.5	12.0	13.0	14.0	15.0	-	ISO 1924-2
Tearing resistance (mN)										
MD	1800	2050	2400	2800	3100	3200	4200	5600	-	ISO 1974
CD	1900	2300	2600	3100	3500	3700	4500	6000	-	ISO 1974

1) See section *General Technical Information*

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 interval within each production run.

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