Invercote Creato (Digital)

Solid Bleached Board, GZ

- Top coating
- Base coating
- Bleached chemical pulp
- Bleached chemical pulp
- Bleached chemical pulp
- Base coating
- Top coating
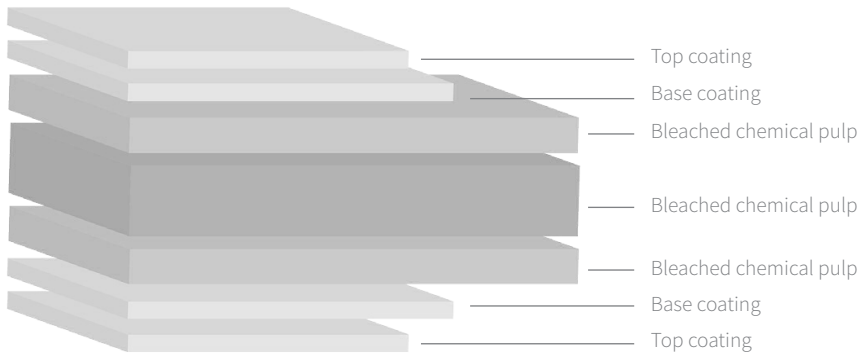
Technical data

Grammage (g/m²)	220	260	300
Thickness (μm)	230	290	345

Tolerances: Grammage ± 5% (ISO 536) Thickness ± 5% (ISO 534)

Certifications

	ECF	Food contact	Toy safety	Archiving
Product related		EC 1935/2004, EC 2023/20061), American FDA,Germa 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® (FSC® C109143) and PEFC certified product available upon request.

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 description

Invercote Creato is designed for graphical products, and offers almost 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.

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Invercote Creato (Digital)

Product 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
Mill related	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

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Invercote Creato (Digital)

Product properties

Grammage dependent properties				Tolerances	Methods/Remarks[1]
Grammage (g/m²)	220	260	300	± 5%	ISO 536
Thickness (µm)	230	290	345	± 5%	ISO 534
Opacity	96.5	98.0	98.5	-	ISO 2471
Bending stiffness L&W 5° (mNm)					
MD	10.1	18.7	30.1	-	ISO 5628
CD	4.8	8.9	14.4	-	ISO 5628
Bending resistance L&W 15° (mN)					
MD	108	204	300	-15%	ISO 2493
CD	49	95	151	-15%	ISO 2493
Bending moment Taber 15° (mNm)					
MD	5.2	9.8	14.5	-15%	ISO 2493
CD	2.4	4.6	7.3	-15%	ISO 2493
Tensile strength (kN/m)					
MD	21.0	23.5	25.0	-	ISO 1924-2
CD	10.5	11.5	13.0	-	ISO 1924-2
Tearing resistance (mN)					
MD	2050	2800	3200	-	ISO 1974
CD	2300	3100	3700	-	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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