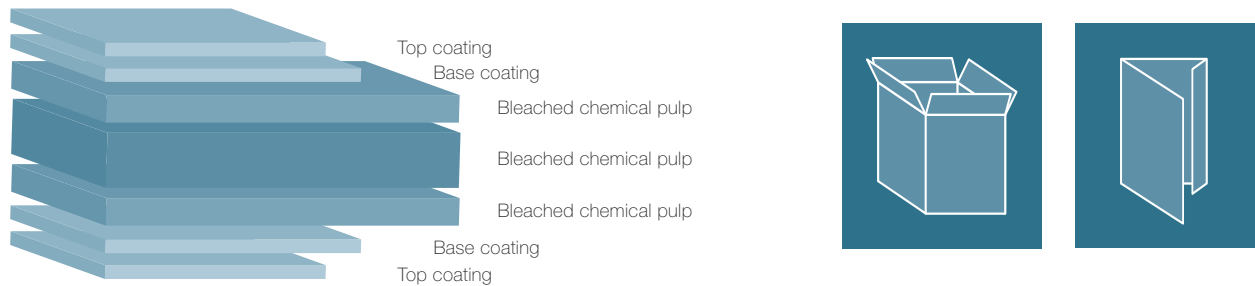


Invercote Creato

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/m ²) | 200 | 220 | 240 | 260 | 280 | 300 | 350 | 380 | 400 |
|--|-----|-----|------|------|------|------|------|------|------|
| Thickness (µm) | 200 | 230 | 260 | 290 | 315 | 345 | 415 | 457 | 485 |
| Caliper (pt) | 7.9 | 9.1 | 10.2 | 11.4 | 12.4 | 13.6 | 16.3 | 18.0 | 19.1 |
| Tolerances: Grammage ± 5% (ISO 536) Thickness ± 5% (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 | | | |
|------------------------------|---|------------|-------------------------------|
| | Printing side properties - both sides identical | | Methods/Remarks ¹⁾ |
| | | Tolerances | |
| Grammage (g/m ²) | 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/m ² 60 s) | 30 | - | ISO 535 |
| Ply Bond (J/m ²) | 160 | ≥ 120 | TAPPI 569 |
| 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/m ²) | 200 | 220 | 240 | 260 | 280 | 300 | 350 | 380 | 400 | ± 5% | ISO 536 |
| Thickness (µm) | 200 | 230 | 260 | 290 | 315 | 345 | 415 | 457 | 485 | ± 5% | ISO 534 |
| Opacity | 96.0 | 96.8 | 97.3 | 97.7 | 98.1 | 98.5 | 99.0 | 99.3 | 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 | 64.5 | 72.4 | - | ISO 5628 |
| CD | 3.3 | 4.8 | 6.4 | 8.9 | 11.6 | 14.4 | 22.8 | 30.2 | 33.6 | - | ISO 5628 |
| Bending resistance L&W 15° (mN) | | | | | | | | | | | |
| MD | 74 | 108 | 150 | 204 | 265 | 300 | 520 | 705 | 820 | -15% | ISO 2493 |
| CD | 34 | 49 | 70 | 95 | 122 | 151 | 250 | 330 | 375 | -15% | ISO 2493 |
| Bending moment Taber 15° (mNm) | | | | | | | | | | | |
| MD | 3.6 | 5.2 | 7.2 | 9.8 | 12.8 | 14.5 | 25.1 | 34.1 | 39.6 | -15% | ISO 2493 |
| CD | 1.6 | 2.4 | 3.4 | 4.6 | 5.9 | 7.3 | 12.1 | 15.9 | 18.1 | -15% | ISO 2493 |
| Tensile strength (kN/m) | | | | | | | | | | | |
| MD | 20.0 | 21.0 | 22.0 | 23.5 | 24.0 | 25.0 | 28.0 | 30 | 31.5 | - | ISO 1924-2 |
| CD | 9.5 | 10.5 | 11.0 | 11.5 | 12.0 | 13.0 | 14.0 | 14.5 | 15.0 | - | ISO 1924-2 |
| Tearing resistance (mN) | | | | | | | | | | | |
| MD | 1800 | 2050 | 2400 | 2800 | 3100 | 3200 | 4200 | 5000 | 5600 | - | ISO 1974 |
| CD | 1900 | 2300 | 2600 | 3100 | 3500 | 3700 | 4500 | 5400 | 6000 | - | ISO 1974 |

¹⁾ See section *General Technical Information*

Issued: 01.2019

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.