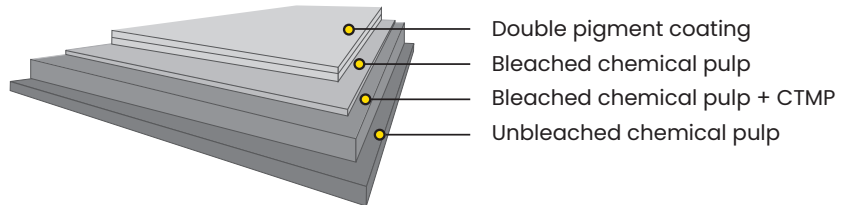


Fully coated multilayer kraft back board

CKB is a fully pigment coated multilayer kraft back board with a bleached chemical pulp layer on the top side, middle layer made of CTMP & bleached chemical pulp and unbleached chemical pulp for reverse layer. The board has a double pigment coating on the top side. The top side is white and the reverse side is brown.



Issued: 12/2025
Replaces: 06/2025

Technical specification, Skoghall Mill

Property	Unit	Tolerance											Standard
Grammage	g/m ²	±4%	195	220	235	255	270	290	315	350	380	415	ISO 536
Thickness	µm	±5%	300	360	400	435	450	490	540	600	665	710	ISO 534
Caliper	pts		11.8	14.2	15.7	17.1	17.7	19.3	21.3	23.6	26.2	28.0	
Bending resistance L&W 15° MD	mN	-15%	160	250	319	416	495	611	775	971	1168	1585	ISO 2493
Bending resistance L&W 15° CD	mN	-15%	76	119	152	198	210	266	336	422	508	635	ISO 2493
Bending moment Taber 15° MD	mNm	-15%	7.8	12.0	15.3	20.2	24.0	29.5	37.4	46.9	56.4	77.0	
Bending moment Taber 15° CD	mNm	-15%	3.7	5.7	7.3	9.6	10.0	12.8	16.2	20.4	24.5	31.0	
Tearing resistance GM	mN		2400	3000	3300	3700	4150	4600	5100	5700	6400	6500	ISO 1974
Moisture	%	±1	7.0	7.0	7.5	7.5	7.5	8.0	8.5	9.0	9.5	9.5	ISO 287
ISO Brightness C/2°, Top	%	min. 78	80	80	80	80	80	80	80	80	80	80	ISO 2470-1
Surface Smoothness PPS10, Top	µm	max. 2.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	ISO 8791-4
Surface Smoothness Bendtsen, Reverse	ml/min	max. 2000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	ISO 8791-2
Gloss 75°	%		30	30	30	30	30	30	30	30	30	30	ISO 8254-1
Scott Bond	J/m ²	min. 100	175	175	175	175	175	175	175	175	175	175	TAPPI 569 om-22
Cobb ₆₀ , Top	g/m ²		30	30	30	30	30	30	30	30	30	30	ISO 535
Cobb ₆₀ , Reverse	g/m ²		30	30	30	30	30	30	30	30	30	30	ISO 535
Edge Wicking	kg/m ²	max. 1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Mill method
Robinson chocolate test	-		< 1 for one year storage in reels/pallets										EN1230-2

All properties according to mill measurements from board machine production. Laboratory test climate 23°C/50% RH (according to ISO 187). Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.

Wet tearing resistance is typically 25–30% of dry tearing resistance, except for wet strength (WS) qualities, where the wet tearing resistance is 60% of dry tearing resistance.

Following qualities can be ordered with or without WS: CKB 235 g/m², 315 g/m² and 350 g/m². Following qualities are only produced with WS: 380 g/m² and 415 g/m².

Bending moment Taber 15° calculated from Bending resistance L&W 15°.

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Certificates

Energy management ISO 50001
Occupational health and safety ISO 45001
Food safety FSSC 22000
Environmental management ISO 14001
Quality management ISO 9001



FSC and PEFC certified board available upon request.



Paperboard can be recycled

Key characteristics and main enduses

CKB is all about strong character, strong brands and strong messages. It is an ideal packaging material for folding cartons for dry, chilled and frozen food, chocolate, wine and spirits. CKB also makes great multipacks – the eye-catching pack is light and strong and easy to buy, carry, open and recycle. The material's exceptional stiffness and strength, combined with great runnability and printing quality, make CKB a world-class choice for a wide range of applications. One of the most important reasons to choose CKB, however, is its proven food safety.

Printing and finishing techniques

The product can be used with different printing techniques such as offset, flexo and digital printing. In digital printing, the product is suitable for several different sheet- or web-fed presses. Inkjet, dry or liquid toner technology can be used, although in some cases, pretreatment of the substrate might be required. The latest certification status can be verified on the press manufacturer's website or with local Stora Enso representatives. It is important to check the limitations of the equipment, particularly because of the exceptional difference in the thickness and stiffness of board compared with paper in the same grammages. When running thicker substrates, the press manufacturer's recommendations should be referred to for optimal grain direction. Essentially all of the same finishing processes apply to both digitally printed and offset printed work. Since a wide variety of digital printing equipment is available in the market, it is important that a new commercial print job is always preceded by a trial run, including all required printing and converting process phases. The product works very well with different finishing techniques, such as embossing, hot foil stamping and others. It is suitable for laser coding and ink jet marking. Certificates according to PTS-DF 105/2023 and PTS-DF 103/2022 are available upon request.

Storage recommendations

For optimal printing results, the moisture proof wrapping should not be removed until the board has reached the temperature of the press room.

Pallet/Reel Weight (kg)	Difference in temperature between board and press room (press room temp. approx. 20°C)		
	10°C	20°C	30°C
400 kg	2 days	2 days	3 days
800 kg	2 days	3 days	4 days
1200 kg	2 days	4 days	5 days

The product properties, according to the specifications, are guaranteed for 12 months after the production date. In order to ensure product safety, the product must be well wrapped and stored in its original cover indoors, sheltered from rain and snow. The recommended storage conditions are 50–55% relative humidity and 20–23°C.