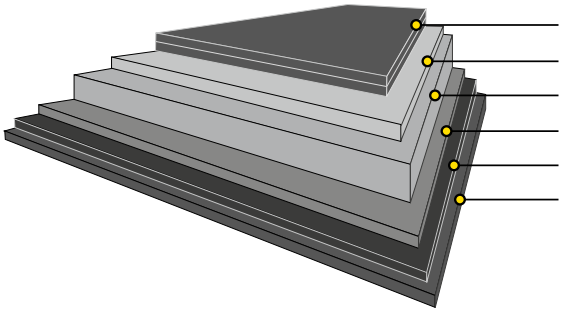
CKB™ HX

Grease & oil resistant multilayer coated kraft back board

CKB HX is a grease- and oil-resistant fully pigment coated multilayer kraft back board. CKB HX has one layer of bleached chemical pulp and other layers made of CTMP and unbleached chemical pulp. The top side is white, whereas on the reverse there is a brown absorbent paper laminated with HDPE.



Issued: 02.2024
Cancels: 01.2024

Technical specification

Property / Unit	Tolerance	195+25+40	Standard
Baseboard:			
Grammage, g/m²		195	ISO 536
PE-laminated board:			
Grammage, g/m²	±5%	260	ISO 536
HDPE, g/m²		25	Mill method
Absorbent, g/m²		40	
Thickness, µm	±5%	365	ISO 534
Bending resistance L&W 15° MD, mN	-18%	289	ISO 2493
Bending resistance L&W 15° CD, mN	-18%	147	
Bending resistance L&W 15° GM, mN	-18%	249	
Moisture, % *	±1	7.0	ISO 287
ISO Brightness D65/10°, %, Top	min. 78	80	ISO 2470-2
Surface Smoothness, PPS 10, µm, Top	max. 2.3	1.5	ISO 8791-4
Gloss 75°, %		30	ISO 8254-1
Scott Bond, J/m²		150	TAPPI 569

Produced with RaZoR concept
*) Moisture content of baseboard

All properties according to Skoghall Mill measurements from board machine production.
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. Laboratory test climate 23°C/50% RH (According to ISO 187).
Tolerances based upon 95% confidence limits, apply to delivered reel/pallet average.
Bending resistance L&W 15° are binding.

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Certificates

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

FSC and PEFC certified board available upon request.

Paperboard can be recycled

Key characteristics and main enduses

CKB HX is all about strong character, strong brands and strong messages. It is an ideal packaging material for applications that require outstanding protection against grease and oil. The material offers exceptional stiffness and strength, combined with great runnability. CKB HX helps optimize package performance, ensures high visual quality and saves materials.

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 105/2019 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 indoors, sheltered from rain and snow. The recommended storage conditions are 50–55% relative humidity and 20–23°C.

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