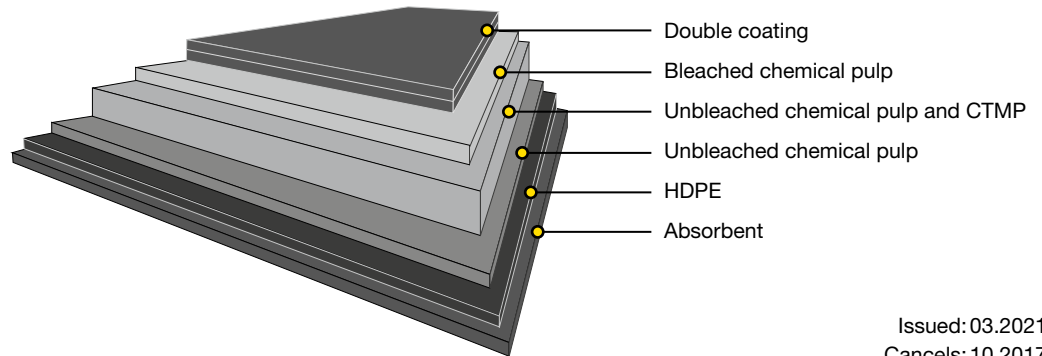


Grease & oil resistant multilayer coated kraft back board

CKB HX is a grease- and oil-resistant fully 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: 03.2021
Cancels: 10.2017

Technical specification

| Property / Unit | Tolerance | 195+20+40 | Standards |
|-------------------------------------|-----------|-----------|-------------|
| Baseboard: | | | |
| Grammage, g/m ² | | 195 | ISO 536 |
| PE-laminated board: | | | |
| Grammage, g/m ² | ±5% | 255 | ISO 536 |
| HDPE, g/m ² | | 20 | Mill method |
| Absorbent, g/m ² | | 40 | |
| Thickness, µm | ±5% | 360 | 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 C/2°, %, Top | min. 78 | 80 | ISO 2470-1 |
| Surface Smoothness, PPS 10, µm, Top | max. 2.3 | 1.5 | ISO 8791-4 |
| Gloss 75°, % | | 30 | ISO 8254-1 |
| Scott Bond, J/m ² | | 150 | TAPPI 569 |

Produced with RaZoR concept
*) Moisture content of baseboard

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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 is recyclable

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. Certificate according to PTS-DF 105/2013 is 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.