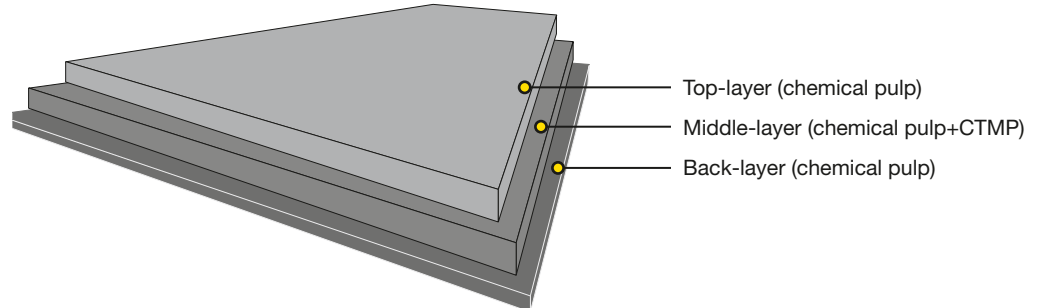


Uncoated bleached board

Ensocard is an uncoated bleached board with a three-layer fibre construction and with CTMP (chemi-thermomechanical pulp) in the middle layer.



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Technical specification

Property / Unit									Standards
Grammage, g/m ²	170	184	195	214	232	260	295	330	ISO 536
Thickness, µm	215	250	275	300	330	370	410	450	ISO 534
Bending resistance L&W 15° MD, mN	65	95	130	160	215	290	380	500	ISO 2493
Bending resistance L&W 15° CD, mN	28	43	55	75	95	130	170	230	
Moisture, %	9.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	ISO 287
Brightness D65/10, %, Top	83	83	84	84	84	84	84	84	ISO 2470-2
Surface Smoothness, Bendtsen, ml/min, Top	250	300	300	300	350	400	450	500	ISO 8791-2

OBA free

All properties according to Imatra 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.
Bending resistance L&W 15° are binding.

Certificates

Quality management ISO 9001
 Environmental management ISO 14001
 Product safety ISO 22000
 Health and safety OHSAS 18001
 Energy management ISO 50001



FSC and PEFC certified board available upon request.



Paperboard is recyclable

Key characteristics and main enduses

Ensocard is an uncoated bleached board with a natural and appealing rough surface. It can fulfil multiple communicative purposes, while its strength and stiffness provide good performance in graphical end uses. Ensocard also serves as a distinctive packaging material. Ensocard is a good choice for tickets, notepad covers or cosmetic packaging, for example.

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. 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.

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.

