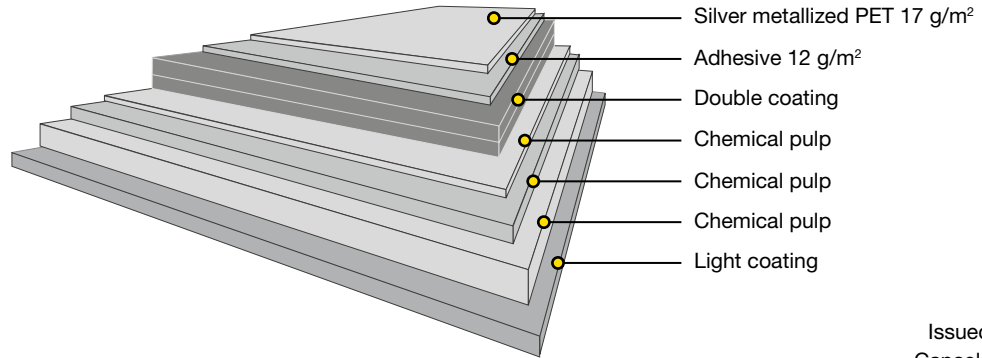


Ensocoat™ Metallized

SBS board with metallized PET film and light coated reverse

Ensocoat Metallized is a coated SBS (solid bleached sulphate) board with metallized PET film. The board has a three-layer fibre construction of chemical pulp. The top side is silver metallized and the reverse side has one layer of pigment coating.



Issued: 06.2018
Cancels: 11.2017

Technical specification

Property/Unit	Tolerance	190+12+17	210+12+17	230+12+17	250+12+17	275+12+17	300+12+17	330+12+17	350+12+17	380+12+17	Standards
PE-laminated board:											
Grammage, g/m ²		219	239	259	279	304	329	359	379	409	ISO 536
Adhesive PE, 12 g/m ²		12	12	12	12	12	12	12	12	12	Mill method
Silver metallized PET film, µm		12	12	12	12	12	12	12	12	12	
Thickness, µm		224	254	294	324	354	389	439	469	509	ISO 534
Baseboard:											
Grammage, g/m ²	±4%	190	210	230	250	275	300	330	350	380	ISO 536
Thickness, µm	±4%	200	230	270	300	330	365	415	445	485	ISO 534
Bending resistance L&W 15° MD, mN*	-15%	75	105	160	210	270	375	500	580	740	ISO 2493-1
Bending resistance L&W 15° CD, mN*	-15%	35	50	75	100	130	180	240	270	350	
Bending moment Taber 15° MD, mNm*	-15%	3.6	5.1	7.7	10.1	13.0	18.1	24.2	28.0	35.7	
Bending moment Taber 15° CD, mNm*	-15%	1.7	2.4	3.6	4.8	6.3	8.7	11.6	13.0	16.9	
Bending stiffness DIN 5° MD, mNm*	-15%	6.4	8.9	13.6	17.9	23.0	31.9	42.5	49.3	62.9	
Bending stiffness DIN 5° CD, mNm*	-15%	3.0	4.3	6.4	8.5	11.1	15.3	20.4	23.0	29.8	
Moisture, %	±1, ±1.5 **	6.5	6.5	6.5	6.5	6.5	6.5	6.0	6.0	6.0	ISO 287
ISO Brightness C/2°, %, Reverse		93	93	93	93	93	93	93	93	93	
CIE Whiteness D65/10°, Reverse		130	130	130	130	130	130	130	130	130	ISO 11475
Scott Bond, J/m ²	min 140	220	220	220	220	220	220	220	220	220	TAPPI 569 om-09

*) Valid for the baseboard, the average stiffness contribution from the PET film is 2–4% in MD and 10–20% in CD, depending on the baseboard substance.

**) For 330 - 380 g/m²

All properties according to Imatra Mill and Forshaga 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 moment Taber 15° and Bending resistance L&W 15° are binding, Bending stiffness DIN 5° are indicative.

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



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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

Ensocoat Metallized provides excellent value, runnability and performance in applications that require a metallized surface to create a luxury feeling. The excellent smoothness and visual appearance of the board ensure superior visual quality for brands to excel. Ensocoat Metallized is used for luxury packaging applications.

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.

