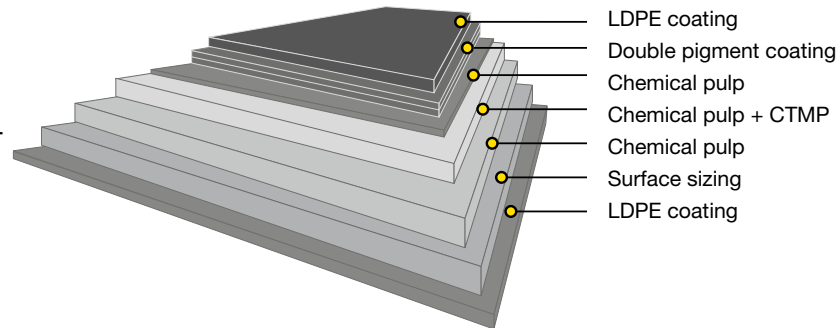


Performa Natura™ 2PE

Fully coated CTMP board with polymer coating

Performa Natura 2PE is a board with a three layer fibre construction and with CTMP (chemi-thermomechanical pulp) in the middle layer and a double-pigment-coated top side. The board has LDPE coating on its both sides.



Issued: 02.2024
Cancels: 09.2017

Technical specification

Property / Unit	Tolerance	12+195+15	12+210+15	12+230+15	12+255+15	12+270+15	12+295+15	12+320+15	12+350+15	Standard
Polymer coated board:										
Grammage, g/m ²		222	237	257	282	297	322	347	377	ISO 536
LDPE Topside, g/m ²		12	12	12	12	12	12	12	12	Mill method
LDPE Reverse, g/m ²		15	15	15	15	15	15	15	15	
Thickness, µm		286	306	346	376	416	456	496	536	ISO 534
Baseboard:										
Grammage, g/m ²	±4 %	195	210	230	255	270	295	320	350	ISO 536
Thickness, µm	±4 %	260	280	320	350	390	430	470	510	ISO 534
Bending resistance L&W 15° MD, mN	-15%	120	155	215	270	360	475	600	760	ISO 2493
Bending resistance L&W 15° CD, mN	-15%	55	70	95	125	170	210	270	340	
Bending moment Taber 15° MD, mNm	-15%	5.8	7.5	10.4	13.0	17.4	22.9	29.0	36.7	
Bending moment Taber 15° CD, mNm	-15%	2.7	3.4	4.6	6.0	8.2	10.1	13.0	16.4	
Bending stiffness DIN 5° MD, mNm	-15%	10.2	13.2	18.3	23.0	30.6	40.4	51.0	64.6	
Bending stiffness DIN 5° CD, mNm	-15%	4.7	6.0	8.1	10.6	14.5	17.9	23.0	28.9	
Moisture, %		6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	ISO 287
ISO Brightness C/2°, %, Top		85	85	85	85	85	85	85	85	ISO 2470-1
Brightness D65/10°, %, Top		85	85	85	85	85	85	85	85	ISO 2470-2
Surface Smoothness, PPS 10, µm, Top		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	ISO 8791-4
Gloss 75°, %		45	45	45	45	45	45	45	45	ISO 8254-1
Scott Bond, J/m ²		200	200	200	200	200	200	200	200	TAPPI 569
Robinson chocolate test		max 0.5 for one year storage in reels/pallet								EN 1230-2

OBA not added

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 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°.



Performa Natura™ 2PE

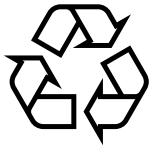
Fully coated CTMP board with polymer coating

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

Performa Natura 2PE features a technically advanced structure for good runnability in converting and packaging design. No optical brightening additives are used in production of Performa Natura 2PE. As an OBA non-added board Performa Natura 2PE is highly suitable for food and chocolate packaging. The 2LDPE coated board is typically used for frozen and chilled food products.

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.

For the Corona treatment, we recommend using the board within 12 months of the production date; after this period, the treatment level should be tested before printing or gluing.