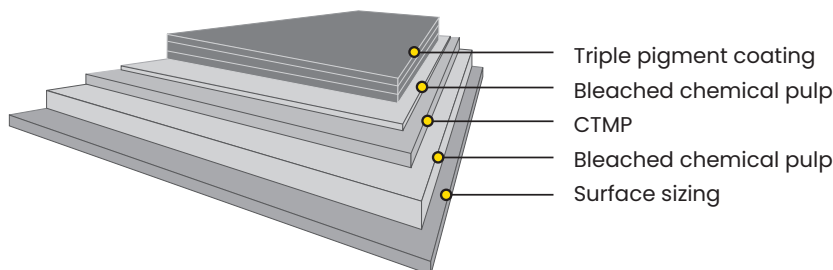


Performa Cream™

Fully coated CTMP board with cream uncoated reverse

Performa Cream is a coated GC2 board with a three-layer fibre construction and CTMP (chemi-thermomechanical pulp) in the middle layer. It is triple-pigment-coated on the top side, with an uncoated cream reverse side. Performa Cream is also available hard-sized (HS).



Issued: 09.2025
Replaces: 03.2024

Technical specification

Property	Unit	Tolerance											Standard
Grammage		±4%	180	200	220	230	245	260	290	315	340	360	ISO 536
Thickness	µm	±5%	285	310	340	360	405	440	500	560	610	650	ISO 534
Bending resistance L&W 15° MD	mN	-15%	115	172	224	266	320	385	510	670	825	930	ISO 2493
Bending resistance L&W 15° CD	mN	-15%	50	72	94	111	140	170	230	300	375	420	ISO 2493
Bending moment Taber 15° MD	mNm	-15%	5.6	8.3	10.8	12.8	15.5	18.6	24.6	32.4	39.8	44.9	
Bending moment Taber 15° CD	mNm	-15%	2.4	3.5	4.5	5.4	6.8	8.2	11.1	14.5	18.1	20.3	
Bending stiffness DIN 5° MD	mNm	-15%	11.0	15.3	19.6	22.6	29.9	36.4	51.2	64.0	78.7	91.8	
Bending stiffness DIN 5° CD	mNm	-15%	5.0	5.8	7.5	8.8	12.1	15.3	21.9	27.5	32.1	40.5	
Moisture	%	±1	7.7	7.7	7.8	7.9	7.9	8.0	8.4	8.7	8.9	9.1	ISO 287
ISO Brightness C/2°, Top	%	min. 87	90	90	90	90	90	90	90	90	90	90	ISO 2470-1
ISO Brightness D65/10°, Top	%		97	97	97	97	97	97	97	97	97	97	ISO 2470-2
CIE Whiteness D65/10°, Top			120	120	120	120	120	120	120	120	120	120	ISO 11475
Surface Smoothness PPS10, Top	µm	max. 1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	ISO 8791-4
Gloss 75°	%		45	45	45	45	45	45	45	45	45	45	ISO 8254-1
Scott Bond	J/m ²	min. 100	145	145	145	145	145	145	145	145	145	145	TAPPI 569 om-22
Edge Wicking	kg/m ²	max. 1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Mill method
Cobb ₆₀ , Top	g/m ²	max. 60	30	30	30	30	30	30	30	30	30	30	ISO 535
Cobb ₆₀ , Reverse	g/m ²		50	50	50	50	50	50	50	50	50	50	ISO 535
Robinson chocolate test	-		max 0.5 for one year storage in reels/pallets										EN1230-2

Edge wicking test: For hardsized.

Moisture: tolerance for grammages 315–360 g/m² is ±1.5 %.

All properties according to 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
 Food safety FSSC 22000
 Occupational health and safety ISO 45001
 Energy management ISO 50001
 EU Ecolabel standard contract FI/011/002, fulfils the ecological criteria for Graphic Paper, (EU) 2019/70, L15/27 (17.1.2019).



FSC and PEFC certified board available upon request.



EU Ecolabel: FI/011/002

The EU Ecolabel confirms that the board fulfils the European Commission's ecological criteria for copying and graphic paper and is therefore only available for graphical end uses. EU Ecolabel available upon request on graphical end uses.



Paperboard can be recycled

Key characteristics and main enduses

The odour and taint neutrality makes Performa Cream ideal for chocolate and confectionery packaging, and it is also used for food, pharmaceutical and healthcare products. Thanks to a triple-pigment-coated top side, combined with high brightness and whiteness for optimal visual appearance, Performa Cream gives a very good print result.

Printing and finishing techniques

The product can be used for different printing techniques such as offset-, flexo-, rotogravure- and digital printing. Regarding digital printing the product is suitable for several different sheet- or webfed presses. Inkjet, dry- or liquid toner technology can be used, although in some cases, pre-treatment of substrate might be required. The most recent status of certificates can be checked from the press manufacturer's website or from local Stora Enso representatives. It is important to check the limitations of the equipment, particularly because of the exceptional difference in thickness and stiffness of board compared with paper for the same grammages. When running thicker substrates, optimal grain direction should be checked according to the press manufacturer's recommendations. Essentially all of the same finishing processes apply for digitally printed works as for offset printed. 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 for 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 105/2023 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 in its original cover indoors, sheltered from rain and snow. The recommended storage conditions are 50–55% relative humidity and 20–23°C.