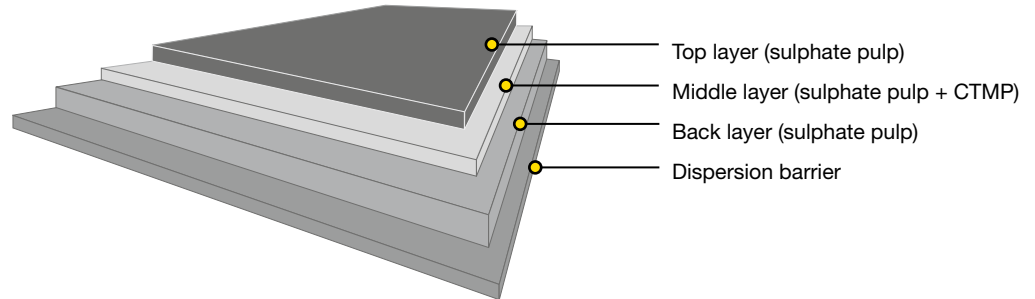




Cupforma Natura Aqua+™ 1S

Bleached cup board

Cupforma Natura Aqua+1S is a virgin-fibre bleached cup board with a three layer fibre construction with CTMP (chemithermomechanical pulp) in the middle layer and dispersion barrier on the reverse side.



Issued: 06.2021
Cancels: 02.2020

Tentative technical specification

Dispersion coated board:

Typical properties, US								Method
Caliper, pts	10.2	11.2	12.2	13.4	15.0	16.5	18.1	
Nominal basis weight, lb/1000 sq. Ft.	40.8	43.0	46.9	50.6	56.3	63.5	70.7	
Typical properties, Metric								
Thickness, µm	260	285	310	340	380	420	460	ISO 534
Nominal basis weight, g/m ²	199	210	229	247	275	310	345	ISO 536
Bending resistance L&W 15° MD, mN	145	165	195	240	315	435	570	ISO 2493-1
Bending resistance L&W 15° CD, mN	55	70	85	110	155	215	290	
Moisture %	6.0	6.0	6.5	6.5	6.5	6.5	6.5	ISO 287
Brightness D65/10, %, Top	80	80	80	80	80	80	80	ISO 2470-2
Surface smoothness, Bendtsen, ml/min	200	200	200	250	300	350	400	ISO 8791-2
Stretch CD, %	5.0	5.0	5.0	5.0	5.0	5.0	5.0	ISO 1924-3

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.



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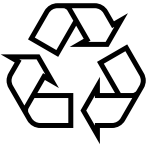
Bleached cup board

Certificates

- Quality management ISO 9001
- Environmental management ISO 14001
- Product safety FSSC 22000
- Product safety ISO 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

Cupforma Natura Aqua+1S is a sustainable choice; a high-quality carton board designed especially for cups. It is food-safe, ecological, and works smoothly and consistently in cup converting. It is also economical as the board's structure provides the required stiffness; resulting in light, yet functional cups. With dispersion coating on one side, Cupforma Natura Aqua+ 1S is suitable for hot drinks.

Printing and converting techniques

The product can be used for different printing techniques such as flexo printing. It is important to check possible limitations of the printing and converting equipment and ensure that the basis weight of the board fits the tooling to be used.

Storage recommendations

For optimal converting 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.