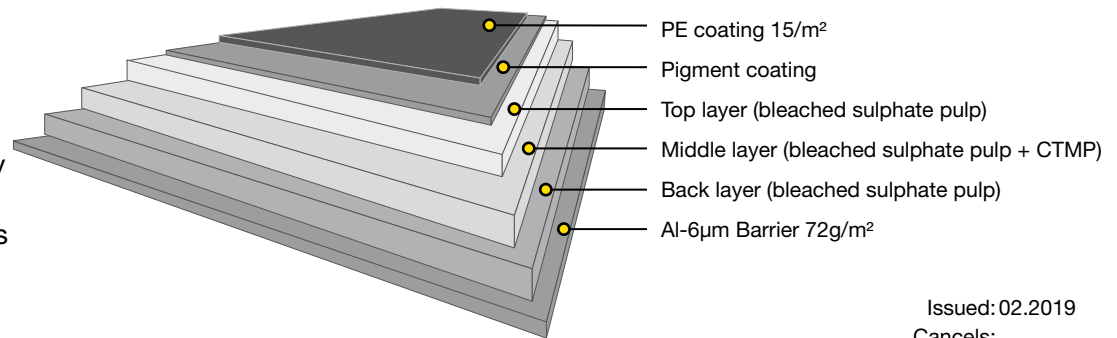


Cupforma Special™ OxyBarr Al

Pigment coated cup board with oxygen barrier

Cupforma Special OxyBarr Al is a board with a three layer fibre construction including CTMP (chemi-thermomechanical pulp) in the middle layer and a fully coated top side. It has aluminum and polymer layers on the reverse side.



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Cancels:

Preliminary technical specification

Property / Unit	Tolerance	15+195+72	15+210+72	15+230+72	15+255+72	15+270+72	15+295+72	15+320+72	15+350+72	Standard
Grammage, g/m ²	±6%	282	297	317	342	357	382	407	437	ISO 536
Thickness, µm	±8%	336	356	396	426	466	506	546	586	ISO 534
PE, topside, g/m ²	±2	15	15	15	15	15	15	15	15	Mill method
Al Barr, reverse, g/m ²	±4	72	72	72	72	72	72	72	72	ASTM D 2578
Visking, mN/m, top	min 40	45	45	45	45	45	45	45	45	ISO 8791-4
Surface smoothness, PPS 10, µm, top		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
Baseboard:										
Grammage, g/m ²	±6%	195	210	230	255	270	295	320	350	ISO 536
Thickness, µm	±8%	260	280	320	350	390	430	470	510	ISO 534
Bending resistance L&W 15° MD, mN		120	155	215	270	360	475	600	760	ISO 2493
min		100	125	180	225	300	400	500	640	
Bending resistance L&W 15° CD, mN		55	70	95	125	165	210	270	340	
min		44	58	78	100	140	175	225	295	
Moisture %		6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	ISO 287
Brightness D65/10, top		85	85	85	85	85	85	85	85	ISO 2471-2
Surface smoothness, Bendtsen, ml/min, top	max 130	40	40	40	40	50	50	50	50	ISO 8791-2
Surface smoothness, PPS 10, µm, Top	max 1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	ISO 8791-4
Stretch CD %		6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	ISO 1924-3



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Certificates

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

Cupforma Special OxyBarr AI is a sustainable choice; a high-quality carton board specially designed for fast converting lines. It is food-safe, ecological, and works smoothly and consistently in converting. It is also economical as the board's structure provides the required stiffness; resulting in light, yet functional packages. The fully pigment coated top side is very smooth, which ensures high-quality print results in flexographic, offset, and digital printing to showcase brands. Cupforma Special OxyBarr AI is an excellent material for the most sensitive food and other packaging which need very high barrier for oxygen and moisture.

Printing and finishing techniques

The product can be used for different printing techniques such as offset, flexo and digital 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. Since a wide variety of digital printing equipment is available in the market, it is important that a new commercial digital 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.

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.

