Tambrite Aqua+™

Tambrite Aqua+ is a fully coated GC2 board. The board consists of three fibre layers, with chemical pulp layers on both sides and pressure groundwood in the middle layer. There is a dispersion barrier on the reverse side. The board is hard sized.

- Double coating
- Chemical pulp
- Pressure groundwood
- Chemical pulp
- Dispersion barrier
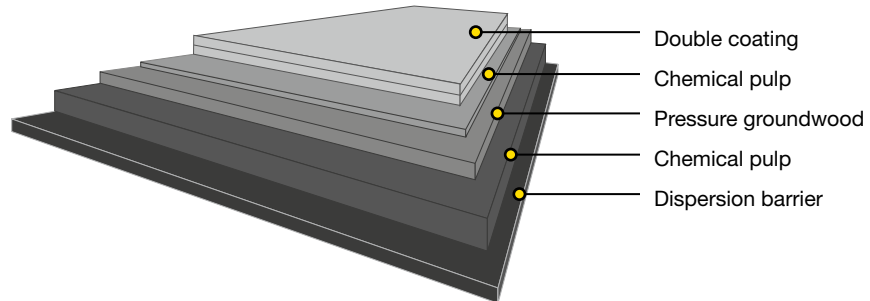
Issued: 05.2023
Cancels: 06.2022

Tentative technical specification

Property / Unit							Standard
Dispersion coated board:							
Grammage, g/m²	225	255	285	300	325	350	ISO 536
Thickness, µm	385	450	510	550	610	660	ISO 534
Bending moment Taber 15° MD, mNm	11.5	17.1	23.6	28.7	37.5	45.9	ISO 2493
Bending moment Taber 15° CD, mNm	6.3	9.3	12.6	15.1	19.5	23.6	
Bending resistance L&W 15° MD, mN	237	355	489	594	776	950	
Bending resistance L&W 15° CD, mN	131	192	260	313	403	489	
Bending stiffness DIN 5° MD, mNm	22.9	34.2	47.2	57.3	74.8	91.6	DIN 53121
Bending stiffness DIN 5° CD, mNm	12.6	18.5	25.1	30.2	38.8	47.1	
Moisture, %	6.0	6.0	6.0	6.5	6.5	7.0	ISO 287
ISO Brightness C/2, %, Top	86	86	86	86	86	86	ISO 2470-1
Surface Smoothness, PPS 10, µm, Top	1.2	1.2	1.2	1.2	1.2	1.2	ISO 8791-4
Scott Bond, J/m²	130	130	130	130	130	130	TAPPI 569

All properties according to Ingerois 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.
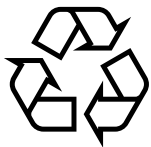
Tambrite™
by Stora Enso

Tambrite Aqua+™

Fully coated folding boxboard with barrier on reverse side

Certificates

Quality management ISO 9001
Environmental management ISO 14001
Product safety FSSC 22000
Occupational health and safety ISO 45001
Energy management ISO 50001

FSC
www.fsc.org
MIX
Board | Supporting
responsible forestry
FSC® C127282

PEFC
PEFC/02-31-247
PEFC Certified
www.pefc.org

FSC and PEFC certified board available upon request.

Paperboard can be recycled

Key characteristics and main enduses

Tambrite Aqua+ provides excellent value, runnability and performance in its key end-use segment is food packaging. The continuous development of Tambrite Aqua+ has resulted in excellent stiffness and bulk attributes, and the board has a good visual appearance and performs well in printing and converting processes, including digital printing, laser and inkjet coding, as well as Braille embossing. In food packaging, Tambrite Aqua+ is the best choice when the package's tactile strength is to communicate quality.

Printing and finishing techniques

The product can be used with different printing techniques such as offset, flexo, rotogravure and digital printing. In digital printing, the product is suitable for several different sheet- or web-fed presses. Inkjet, dry or liquid toner technology can be used, although in some cases, pretreatment of the substrate might be required. The latest certification status can be verified on the press manufacturer's website or with local Stora Enso representatives. It is important to check the limitations of the equipment, particularly because of the exceptional difference in the thickness and stiffness of board compared with paper in the same grammages. When running thicker substrates, the press manufacturer's recommendations should be referred to for optimal grain direction. Essentially all of the same finishing processes apply to both digitally printed and offset printed work. 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 with 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 105/2019 and PTS-DF 103/2019 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 indoors, sheltered from rain and snow. The recommended storage conditions are 50-55% relative humidity and 20-23°C.

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