

# SPECIFICATIONS

## PaperWise Ivory Moisture Resistant C1S

Environmentally friendly, socially responsible folding board made from agricultural waste.

PaperWise Ivory is board made from agricultural waste, creamy white coloured, CO2 neutral and suitable for recycling. For applications from packaging for vegetables, fruit, pastries, dry groceries, frozen, meal to go and snack packaging, to (luxury) cosmetics, jewellery, medicines, care, and other consumer packaging. PaperWise Ivory will be certified for direct food contact and composting, both industrial EN13432 and home composting as soon as possible. PaperWise Ivory Moisture Resistant C1S is a one-sided clay coated multi-layer board resistant to moisture and condensation and can be printed on both sides. The creamy white colour of the material gives a soft tint to the printing colours. If you want the colours of the print to shine as much as possible, choose then the side with the clay coating.

In order to feed 7,5 billion people worldwide, agricultural crops such as rice, grain, corn, sugar cane, etc. are grown. On average, only 20% of the plant is used for food and 80% are stems and leaves, agricultural waste! Worldwide, the majority of this agricultural waste is burned, which is a pity in a time where poverty, raw materials and the environment are becoming increasingly important. PaperWise users give a second life to agricultural waste. In doing so, they lower their ecological footprint, add value to waste, and prevent wastage. Wise With Waste.

NO.	PROPERTIES	METHOD	UNIT	PaperWise Ivory Moisture Resistant C1S							
				180	230	280	300	320	350	420	
1	Nominal GSM range	Tappi 410	GSM	180	230	280	300	320	350	420	
	Substance Tolerance		%	+/-3							
2	Caliper/Thickness	Tappi 411	micron	216	276	336	360	384	420	505	
	Substance Tolerance		%	+/- 5							
3	Bulk		cm <sup>3</sup> /g	1,3 +/-5							
4	Machinewidth (parentreel)		mm	3650 Maximum							
5	Core options		inch	3", 6", 12"							
6	OD (Outer Diameter Reels)		mm	1000 or 1100 or 1200							
	Tolerance OD		mm	+/- 50							
7	Tolerance reelwidth		mm	+/- 5							
8	Tolerance sheetdimension	length	mm	+/- 5							
		width	mm	+/- 3							
9	smoothness	Tappi 479	ml/min	250/700							
10	Plybond	Tappi 569	J/m <sup>2</sup>	minimum 200							
11	Stiffness MD (Bending)	Tappi 556	mN	72	150	253	310	378	495	845	
12	Stiffness CD (Bending)	Tappi 556	mN	33	68	120	144	174	230	390	
13	Stiffness GM (Bending)	Tappi 556	mN	50	100	170	210	255	335	565	
14	Bending Moment MD Taber 15°	Tappi 489	mNm	3,50	7,30	12,20	15,00	18,30	23,90	40,8	
15	Bending Moment CD Taber 15°	Tappi 489	mNm	1,60	3,30	5,80	7,00	8,40	11,10	18,8	
16	Substance Tolerance Stiffness		%	+/- 15							
17	Cobb <sub>60</sub> (Max.) top/bottom	Tappi 441	g/m <sup>2</sup>	30/30							
18	Moisture	Tappi 412	%	6,0 - 7,0							7,0 - 8,0
19	Edge Wick (maximum)		kg/m <sup>2</sup> /hr	1,2							
20	Brightness minimum	ISO 2469	%	83							
21	Material colour			Creamy White - Uncoated; ONE SIDE CLAY COATED							
22	Prefered printed side			BOTH SIDES POSSIBLE							
23	Cellulose share agricultural waste		%	on the way to the max; end of 2023 result							
24	Food Approved EC1935/2004	ISEGA		pending for certification							
25	Industrial Compostable EN 13432	Din Certco		pending for certification							
26	Home Compostable	Din Certco		pending for certification							
27	CO <sub>2</sub> -neutral			✓							
28	RECYCLABLE with regular paper			✓							

PaperWise is suitable for offset- flexo-, digital- & rotogravure printing

Minimum quantity for custom-made reels and sheets is 8 ton. Transport container only takes place from 24 ton. Custom-made orders need to be tuned to the optimum use of the machine width of 365cm.