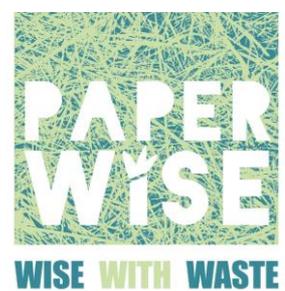


SPECIFICATIONS



PaperWise Natural

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

PaperWise Natural is board made from agricultural waste, light brown coloured, CO2 neutral and suitable for recycling. For print matters and applications from packaging for vegetables, fruit, cakes, dry groceries, to (luxury) cosmetics, jewellery, medicines, care, gift cards and other consumer packaging. PaperWise Natural is certified for direct food contact and composting, both industrial EN13432 and home composting. It is an uncoated mono-layer board and can be printed on both sides. The light brown colour of the material gives a natural soft tint to the printing colours.

In order to feed 8 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 Natural				
				150	200	226	263	295
1	Nominal GSM range	Tappi 410	GSM	150	200	226	263	295
2	Substance Tolerance		%	+/- 4				
3	Caliper/Thickness	Tappi 411	micron	205	305	355	410	460
4	Substance Tolerance		%	+/- 4				
5	Bulk		cc/g	1,35 +/-0,05		1,45 +/-0,05		
6	machinewidth (parenteel)		mm	3750 Maximum				
7	core options		inch	3", 6", 10" and 12"				
8	OD (Outer Diameter Reels)		mm	1000, 1200 and 1450				
9	Tolerance OD		mm	+/- 50				
10	Tolerance reelwidth		mm	+/- 5				
11	Tolerance sheetdimension	length	mm	+/- 5				
			width	mm	+/- 3			
12	Extending Rate		%	MD≥1,5% CD≥ 3,5% According standards GB453-89				
13	smoothness WS	Tappi 538	Sheffield	190		260		
14	Smoothness FS	Tappi 538	Sheffield	150		200		
15	Porosity (max)	Bendtsen	ml/min	550			525	
16	Stiffness MD	Tappi 489	g.cm	28	39	60	92	115
	Stiffness CD	Tappi 489	g.cm	15	24	35	57	63
17	Sizing		seconds	120				
18	Fold MD/CD		fold number	65				
19	Cobb ₆₀ (Max.)	Tappi 441	g/m ²	37				
20	moisture ±5%	Tappi 412	%	6,2				
21	Ash Rate	Tappi 413	%	≤ 7				
22	Brightness		%	40				
23	Opacity		%	93	94	95	98	99
24	Whiteness			NATURAL LIGHT BROWN UNCOATED				
25	Prefered printed side			BOTH SIDES POSSIBLE				
26	Cellulose share agricultural waste		%	100				
27	Food Approved EC1935/2004	ISEGA		✓				
28	Industrial Compostable EN 13432	Din Certco		✓				
29	Home Compostble	Din Certco		✓				
30	CO ₂ -neutral			✓				
31	RECYCLABLE with regular paper			✓				

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

Reels and sheets with customer specific dimensions can be produced with minimum of 8 Ton where the order needs to be tuned to the optimum use of the machine width of 375cm. Transport container only takes place from 24 Ton.