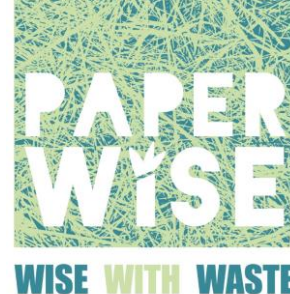


# SPECIFICATIONS



*PaperWise Surface Sized White is environmentally friendly paper made from agricultural waste.*  
 In order to feed 7 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 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 Surface Sized White		
1	Nominal GSM range	ISO 536	GSM	80	90	110
2	Substance Tolerance		GSM	± 2.5%	± 2.5%	± 2.5%
3	Caliper/Thickness in mm.	ISO 534	microns	108	115	140
4	Bulk		cc/g	1.40 ±0.05	1.40 ±0.05	1.40 ±0.05
5	Reel width in mm.		mm	5350 - 5400mm. Maximum		
6	Ash	ISO 1762	%	16 ± 2	16 - 18	16 - 18
7	Moisture	ISO 287	%	6 ± 0.5	6 ± 0.5	6 ± 0.5
8	Breaking Length (Min.) MD	ISO 1924 - 2	m	5.000	5500 ± 300	5500 ± 300
	Breaking Length (Min.) CD		m	2.500	2500 ± 300	2500 ± 300
9	Tear Factor MD	ISO 1974		45 ± 5	40 ± 5	40 ± 5
	Tear Factor CD			50 ± 5	45 ± 5	45 ± 5
10	Burst Factor (Min.)	ISO 2758		22	22	22
11	Bendtsen Smoothness TS	ISO 8791-2	ml/min	150-200	150-250	150-250
	Bendtsen Smoothness WS		ml/min	120-180	150-250	150-250
12	Porosity (max)	Bendtsen	ml/min	330	290	260
13	Cobb <sub>60</sub> (Max.)	ISO 535	g/m <sup>2</sup>	30	30	30
14	Brightness (Min.)	ISO 2470	% ISO	92	92	92
15	Opacity (Min.)	ISO 2471	%	94	96	98
16	Shade Values L*		No.	91 ± 1	91 ± 1	91 ± 1
	a*		No.	1.7 ± .1	0 - 0.5	0 - 0.5
	b*		No.	-6.4±0.4	-5.0 ± 0.5	-5.0 ± 0.5
17	CIE Whiteness	ISO 11475		155 ± 5	155 ± 5	155 ± 5
18	Taber Stiffness (Min.) MD		Taber	2 - 3	2 - 3	2 - 3
	Taber Stiffness (Min.) CD		Taber	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0
19	Droop rigidity MD		mm	120	120	120
	CD		mm	90	90	90
20	Droop Bias		mm	<10	<10	<10
21	Cellulose share agricultural waste		%	55-60	55-60	55-60
22	Archiving	ISO 9706		✓	✓	✓
23	100% green energy production	SGS-certified		✓	✓	✓
24	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 540cm. Transport container only takes place from 15-16 Ton.