

Graphical & Cartonboard from WL Coller

Ensocoat - SBS (GZ)

Ensocoat is a luxurious, coated SBS (Solid Bleached Sulphate) board with a three-layer fibre construction of chemical pulp. It is double-coated on the top side, with one layer of coating on the reverse side.

Printing Processes: Offset, flexo and digital printing. In digital printing, the product is suitable for several different sheet or web-fed presses. Dry or liquid toner technology can be used, although in some cases, pretreatment of the substance may be required.

Typical End uses: Ensocoat is ideal for cosmetic, perfume, premium chocolate, pharmaceutical and healthcare packaging. It is also used for greeting cards, book covers, folders, calendars stationary products & displays.



Property / Unit	Unit	Standard	Target value										Tolerance
Thickness	µm	ISO 534	200	230	265	270	300	330	365	415	445	485	± 4.0%
Basis Weight	g/m ²	ISO 536	190	210	220	230	250	275	300	330	350	380	± 4.0%
Bending Resistance L&W 15° MD	mN	ISO 2493-1	75	105	120	160	210	270	375	500	580	740	-15%
Bending Resistance L&W 15° CD	mN	ISO 2493-1	35	50	60	75	100	130	180	240	270	350	-15%
Bending Moment Taber 15° MD	mNm		3.6	5.1	6.0	7.7	10.1	13.0	18.1	24.2	28.0	35.7	-15%
Bending Moment Taber 15° CD	mNm		1.7	2.4	3.0	3.6	4.8	6.3	8.7	11.6	13.0	16.9	-15%
Bending Stiffness 5° MD	mNm	DIN 5°	6.4	8.9	11.5	13.6	17.9	23	31.9	42.5	49.3	62.9	-15%
Bending Stiffness 5° CD	mNm	DIN 5°	3	4.3	5	6.4	8.5	11.1	15.3	20.4	23	29.8	-15%
Moisture, %	%	ISO 287	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6	6	6.0	± 1.0, ± 1.5 **
ISO Brightness C/2°, %, Top		ISO 2470-1	95										min. 92
ISO Brightness C/2°, %, Reverse		ISO 2470-1	93										min. 90
Brightness D65/10°, %, Top		ISO 2470-2	103										
CIE Whiteness D65/10°, Top		ISO 11475	135										
CIE Whiteness D65/10°, Reverse		ISO 11475	130										
L* D65/10°, Top		ISO 5631-2	96.5										
a* D65/10°, Top		ISO 5631-2	2.5										
b* D65/10°, Top		ISO 5631-2	-10.5										
Surface Smoothness, PPS 10, µm, Top		ISO 8791-4	0.9										max. 1.4
Surface Smoothness, PPS 10, µm, Reverse		ISO 8791-4	≤4.0										
Surface Smoothness Bendtsen, ml/min Top		ISO 8791-2	20.0										
Surface Smoothness Bendtsen, ml/min Reverse		ISO 8791-2	≤100	≤100	≤200	≤200	≤200	≤200	≤200	≤300	≤300	≤400	
Gloss 75°, %, Top		ISO 8254-1	48										
Scott Bond J/m ²		TAPPI 569	220										min. 140
Robinson chocolate test		EN1230-2	Max 1 for one year storage in reels/pallets										

Stock Range

Thickness	µm	ISO 534	200	230	265	270	300	330	365	415	445	485	
Basis Weight	g/m ²	ISO 536	190	210	220	230	250	275	300	330	350	380	
Size (mm)		450 x 320 mm											✓ = Mill Held UK Stock
		450 x 640 mm					✓	✓	✓	✓			
		520 x 720 mm					✓		✓				
		640 x 900 mm											
		720 x 1020 mm					✓		✓				

