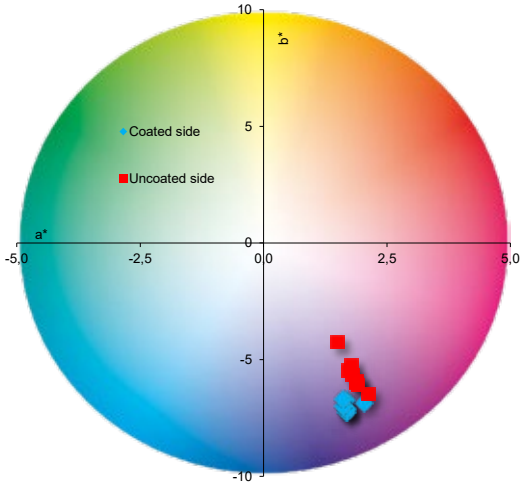
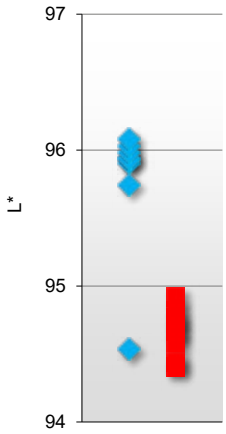
sappi | Algro Design

Prepress datasheet for offset printing

Product Information

Basis weight g/m²	CIE Whiteness D65 ISO11475 Coated side	Fluorescence (ΔBrightness)[2] ISO2470-2 Coated side	Colour coordinates coated side ISO 13655 M1[3] (D50/2°)w			Colour coordinates uncoated side ISO 13655 M1[3] (D50/2°)		
			L*	a*	b*	L*	a*	b*
160	130	14	94,5	2,0	-6,9	94,4	2,1	-6,5
240	130	15	95,9	1,7	-6,7	94,9	1,8	-5,4
330	130	15	96,0	1,7	-7,1	94,6	1,9	-5,9
350	130	15	96,0	1,6	-7,0	94,7	1,7	-5,5





Recommendations:

Print substrate / ISO 12647-2:2013:	PS 1 (Premium coated), coated side PS 5 (Wood-free uncoated), uncoated side
Printing condition / ISO12647-2:2013:	PC 1, coated side PC 5, uncoated side
Screening and dot gain (TVI)[4]:	Coated side: Conventional: Curve A in ISO 12647-2 (60–80 l/cm), Stochastic: Curve E in ISO 12647-2 (Spot size 25 µm) Uncoated side: Conventional: Curve C in ISO 12647-2 (52–70 l/cm), Stochastic: Curve E in ISO 12647-2 (Spot size 35 µm)
Characterisation data[5]:	Fogra 51, coated side Fogra 52, uncoated side
ICC-profile[5]:	Coated side: All ICC-profiles based on above char data such as PSOcoated_v3.icc Uncoated side: 2All ICC-profiles based on above char data such as PSOuncoated_V3_Fogra52.icc
Max TAC% (Total Area Coverage):	330% for coated side and 300% for uncoated side

Notes:

1) The values in the table are intended to help the printer to choose correct printing conditions for the board in question. These values are not board specifications and thus have no tolerances. For official board specification please refer to technical specification datasheets for each individual board grade. Please note that not all grammages are mentioned.
2) ΔBrightness is difference of Brightness (D65) and Brightness (UV cut). It is an estimate for OBA amount in board. Levels: 0-4 faint, 4-8 low, 8-12 moderate, 12-> high
3) Equipment used: X-rite i1 Pro2. Older M0 values available on request
4) Dot gain level is influenced by board roughness and rougher boards may need more compensation in platemaking to reach correct dot gain level
5) As an alternative char data / ICC -profile older Fogra 39 / ISOcoated v2.icc can also be used instead of Fogra 51 / PSOcoated_v3.icc

Contact: Your local Sappi technical persons. Updated: 08.01.2024