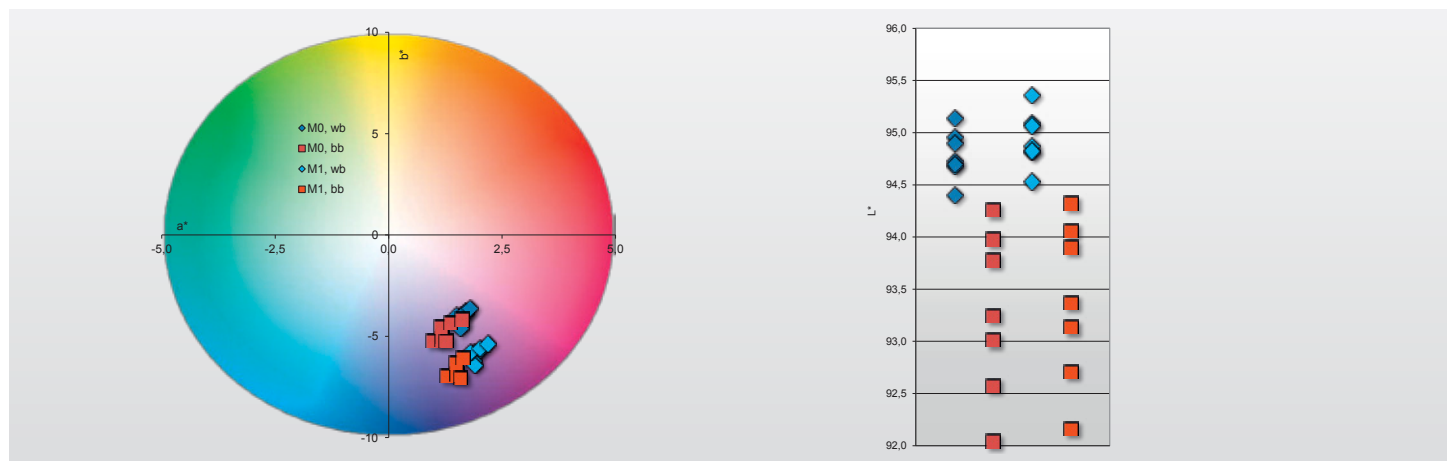


Royal Roto™ Matt

Prepress datasheet



Paper	Basis weight ISO 536 g/m ²	CIE Whiteness D65 ISO 11475	Fluorescence (Δ Brightness) ² ISO 2470-2	Roughness PPS ISO 8791-4 μ m	Colour coordinates white backing ISO 13655 M0 ³ (D50/2°)			Colour coordinates black backing ISO 13655 M0 ³ (D50/2°)			Colour coordinates white backing ISO 13655 M1 ³ (D50/2°)			Colour coordinates black backing ISO 13655 M1 ³ (D50/2°)		
					L*	a*	b*	L*	a*	b*	L*	a*	b*	L*	a*	b*
Royal Roto Matt	90	125	13	3	95,0	1,6	-4,0	92,0	1,0	-5,2	95,1	1,9	-5,8	92,2	1,3	-6,9
Royal Roto Matt	100	125	13	3	94,7	1,7	-3,8	92,6	1,2	-5,0	94,9	2,0	-5,7	92,7	1,5	-6,8
Royal Roto Matt	115	128	13	3	94,7	1,6	-4,4	93,0	1,2	-5,1	94,8	1,9	-6,2	93,1	1,5	-6,9
Royal Roto Matt	130	128	13	3	94,4	1,6	-4,6	93,2	1,3	-5,2	94,5	1,9	-6,4	93,4	1,6	-7,0
Royal Roto Matt	135	126	13	3	94,7	1,5	-4,0	93,8	1,2	-4,5	94,8	1,8	-5,8	93,9	1,5	-6,3
Royal Roto Matt	150	126	13	3	94,9	1,7	-3,8	94,0	1,4	-4,3	95,1	2,0	-5,6	94,1	1,6	-6,0
Royal Roto Matt	170	127	13	3	95,1	1,8	-3,6	94,3	1,6	-4,2	95,4	2,2	-5,4	94,3	1,8	-5,8



Recommendations:

Print substrate / ISO 12647-2:2013:	PS 1 (Premium coated)
Printing condition / ISO12647-2:2013:	PC 1
Screening and dot gain (TVI) ⁴ :	Conventional: Curve A in ISO 12647-2 (60–80 l/cm), Stochastic: Curve E in ISO 12647-2 (Spot size 25 μ m)
Characterisation data ⁵ :	Fogra 51 or Fogra 39
ICC-profile ⁵ :	All ICC-profiles based on above char datas such as PS0coated_v3.icc or ISOcoated v2 300.icc
Max TAC% (Total Area Coverage):	300 %

Special remarks:

Due to rougher surface it may be difficult to reach solid L*a*b* targets of recommended char data especially with cyan and magenta. Decreased gamut volume is typical for rougher matt grades.

Notes:

- 1) The values in the table are intended to help the printer to choose correct printing conditions for the paper in question. These values are not paper specifications and thus have no tolerances. For official paper specification please refer to technical specification datasheets for each individual paper grade
- 2) Δ Brightness is difference of Brightness (D65) and Brightness (UV cut). It is an estimate for OBA amount in paper. Levels: 0-4 faint, 4-8 low, 8-12 moderate, 12-> high
- 3) Equipment used: X-rite i1 Pro2
- 4) Dot gain level is influenced by paper roughness and rougher papers may need more compensation in platemaking to reach correct dot gain level
- 5) Customized ICC profiles are available from Sappi on request with modified dot gain, colour gamut, paper shade or conversion characteristics

Also higher compensation in plate making might be needed to reach target dot gain values. Sappi can provide ICC profiles with decreased gamut and adjusted dot gain characteristics on request.