

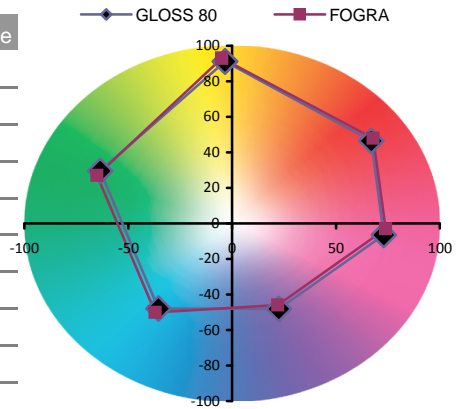
# PAPER OPTICAL PROPERTIES

## According to DIN ISO 12647-2 standard

### Colour values for 1S COATED GLOSS

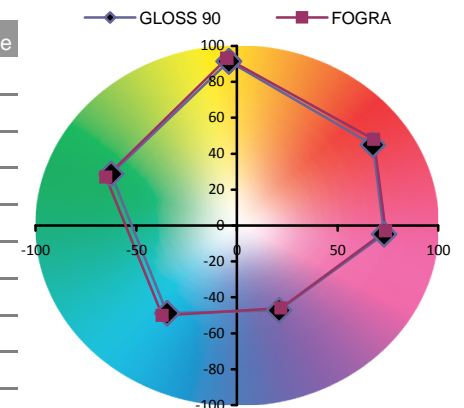
#### Values for substance 80 gsm

Colour	L*a*b* values	( $\Delta E$ )	Tolerance
<b>Cyan</b>	56,15/-35,46/-47,94	2,88	5
<b>Magenta</b>	48,94/73,05/-6,53	3,8	5
<b>Yellow</b>	86,59/-3,36/91,26	3,67	5
<b>Black</b>	16,97/1,19/3,31	3,72	5
<b>Red</b>	48,72/67,05/46,40	2,56	6
<b>Green</b>	49,40/-63,49/29,59	3,11	6
<b>Purple</b>	24,17/22,43/-48,05	2,59	6
<b>Bal. grey 25%</b>	76,47/1,59/-8,53	0,05	2
<b>Bal. grey 50%</b>	60,33/0,33/-5,64	0,59	2
<b>Bal. grey 75%</b>	36,36/0,33/-0,21	0,95	2



#### Values for substance 90 gsm

Colour	L*a*b* values	( $\Delta E$ )	Tolerance
<b>Cyan</b>	56,34/-34,62/-48,79	2,78	5
<b>Magenta</b>	48,34/73,18/-4,85	2,77	5
<b>Yellow</b>	86,55/-3,96/91,51	2,72	5
<b>Black</b>	16,78/0,88/2,40	3,19	5
<b>Red</b>	48,06/67,53/44,97	3,74	6
<b>Green</b>	49,84/-62,46/28,70	3,49	6
<b>Purple</b>	25,52/21,05/-47,22	4,09	6
<b>Bal. grey 25%</b>	77,55/0,65/-8,32	0,19	2
<b>Bal. grey 50%</b>	61,46/-0,70/-7,08	0,89	2
<b>Bal. grey 75%</b>	36,36/0,33/-0,21	0,95	2



#### Comments :

This procedure has been proofed by Procograf, S.L. (agency accredited by Fogra for the DIN ISO 12647 standard)

The values are real and have been obtained under the following conditions:

- Standard offset printing process, 5 colours, size 70x100cm
- Offset inks DIN ISO 2846-1 certified
- Wet conditions without any isopropyl alcohol
- Colorimetric measurement made with XRite 528, D50, 2°, per DIN ISO 13655

#### Recommendations :

Use reference values of Fogra 39 ([www.fogra.org](http://www.fogra.org))

The paper is well adapted to standard profiles, it is not necessary to create a specific profile

To test printing conditions, use either *ISO coated v2* or *ISO coated v2 300* standards ([www.eci.org](http://www.eci.org))

For dot gains in the print, use as targets the A for CMY and the B for the black (per DIN ISO 12647-2)