

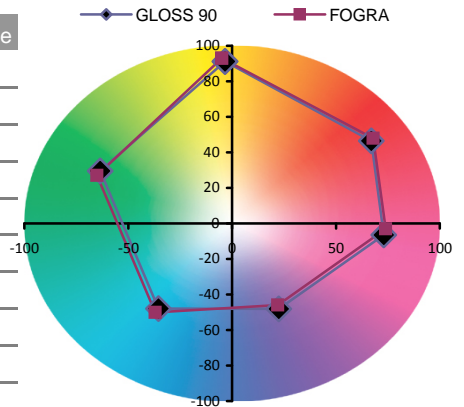
# PAPER OPTICAL PROPERTIES

## According to DIN ISO 12647-2 standard

### Colour values for 2S COATED GLOSS

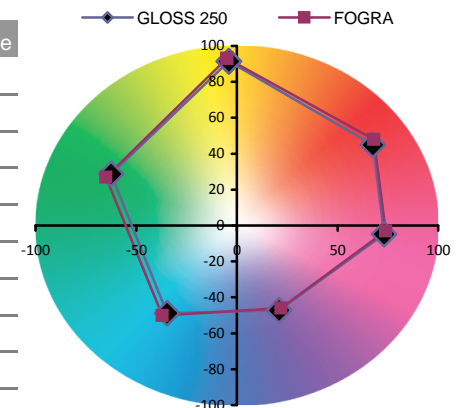
Values for substances  $\geq 90 \leq 150\text{gsm}$

| 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 substances  $> 150 \leq 350\text{gsm}$

| 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)