



### Certifications Per Colour

| Ink Colour | Sublimation Class<br>(1) | Light Fastness<br>(2) | Colour Fastness<br>to Water (3) | Colour Fastness<br>to Perspiration (4) |
|------------|--------------------------|-----------------------|---------------------------------|--|
| Cyan       | A                        | 3-4                   | 4-5                             | 4-5                                    |
| Magenta    | A                        | 4                     | 4-5                             | 4-5                                    |
| Yellow     | A                        | 4                     | 4-5                             | 4-5                                    |
| Black      | A                        | 4                     | 4-5                             | 4-5                                    |

(1) Sublimation Class A exhibits excellent dyeing properties and good fastness properties.

(2) Light Fastness. According to ISO 105-B02. Score from 1-8 on Blue Wool scale. 1 is worst (very low) and 8 is best (exceptional).

(3) Colour fastness to water according to ISO 105-E01. 1-5 scale. 1 is worst and 5 is best.

(4) Colour fastness to perspiration according to ISO 105-E04. 1-5 scale. 1 is worst and 5 is best.

| Ink Colour | Colour Fastness to<br>Rubbing (5) | Colour Fastness to<br>Sea Water (6) | Colour Fastness<br>to washing (7) |
|------------|-----------------------------------|-------------------------------------|-----------------------------------|
| Cyan       | 4-5                               | 3-4                                 | 4-5                               |
| Magenta    | 4-5                               | 4                                   | 4-5                               |
| Yellow     | 4-5                               | 4                                   | 4-5                               |
| Black      | 4-5                               | 4                                   | 4-5                               |

(5) Rubbing fastness. Properties according to ISO 105-X12. 1-5 scale. 1 is worst and 5 is best.

(6) Fastness to sea water. Properties according to ISO 105-E02. 1-5 scale. 1 is worst and 5 is best.

(7) Fastness to washing. Properties according to ISO 105-C02. 1-5 scale. 1 is worst and 5 is best.

| Ink Colour | Allergenic Disperse<br>Dyes (8) | Azo Dyes<br>(9) | Phthalates<br>(10) | Heavy Metals<br>(11) |
|------------|---------------------------------|-----------------|--------------------|----------------------|
| Cyan       | Not Detected                    | Not Detected    | Not Detected       | Within Specification |
| Magenta    | Not Detected                    | Not Detected    | Not Detected       | Within Specification |
| Yellow     | Not Detected                    | Not Detected    | Not Detected       | Within Specification |
| Black      | Not Detected                    | Not Detected    | Not Detected       | Within Specification |

(8) Presence of Allergenic Disperse Dyes according to DIN 54231:2005 - Detection limit 15ppm

(9) Presence of Azo Dyes BS according to EN 14362 - Detection limit 5ppm

(10) Presence of Phthalates CPSC-CH-C1001-09-3 - Detection limit 0.005%

(11) Presence of heavy metals according to EN ISO 105 E04