

# Saphira Ink Classic 100

**HEIDELBERG**

## Speed and cost-efficiency for straight printing

**Distinctive quality inks.** The quality of an ink can be characterized by a large number of laboratory and print parameters. These include e.g. fastness parameters such as lightfastness and chemical resistance, and physical (tack, viscosity) and colorimetric properties (Lab). Moreover, ink also has to satisfy a whole array of additional print and postpress parameters such as print quality, smoothness in solids and screens, high-gloss effects, rub resistance, etc. Heidelberg® has put together a practical portfolio of inks to cover these special requirements.

**Saphira Ink Classic 100.** Saphira® Ink Classic 100 is a duct-fresh allround series with rapid drying characteristics. As it has been specially developed for straight printing it enables fast finishing. Thanks to its allround characteristics, this series of inks exhibits exceptional ink-water stability even at high print speeds. As a result, it enables trouble-free printing under almost all conditions.



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**Subject to technical modifications and other changes.**

# Saphira Ink Classic 100

## At a glance:

- Fast drying properties
- Duct-fresh
- Fast finishing
- Ideal for straight printing on multicolor presses
- Based on mineral oil
- Suitable for print work in accordance with ISO 12647-2

## Printing stocks:

- Well suited for use with matt-coated papers/card
- Ideally suited for use with glossy coated papers/card
- Well suited for use with uncoated papers/card

## Technical specifications

| Fastness                            | Light | Alkali | Solvent mixture | Ethanol | Hot calendering | Printing properties                                |
|-------------------------------------|-------|--------|-----------------|---------|-----------------|--|
| Saphira Ink Classic 100 Cyan        | 8     | +      | +               | +       | +               | Gradation <b>6</b>                                 |
| Saphira Ink Classic 100 Magenta     | 5     | -      | +               | +       | +               | Gloss <b>5</b>                                     |
| Saphira Ink Classic 100 Yellow      | 5     | +      | +               | +       | +               | Absorption <b>6</b>                                |
| Saphira Ink Classic 100 Black, true | 8     | +      | +               | +       | +               | Oxidative drying <b>4</b>                          |
|                                     |       |        |                 |         |                 | Rub resistance <b>5</b>                            |
|                                     |       |        |                 |         |                 | Fast finishing <b>6</b>                            |
|                                     |       |        |                 |         |                 | Suitability for glossy coated papers/card <b>7</b> |
|                                     |       |        |                 |         |                 | Suitability for uncoated papers/card <b>5</b>      |
|                                     |       |        |                 |         |                 | Suitability for matt-coated papers/card <b>5</b>   |

Lightfastness: As per ISO 12040 from **1** (low) to **8** (high); Fastness (other types): As per ISO 2836

**+** = is fast (resistant)  
**-** = is not fast (not resistant)

**1** = poor  
**7** = excellent

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