



Image Stability

We confirm the printing durability of Koehler Thermal Papers, depending on the Koehler Thermal Paper quality as defined below, for between 5 and 8 years from the date of production. This statement applies for images with an optical density of minimum 1.10 (Macbeth D19C) for papers with a 5 year guarantee. For papers with a 7 - 10 year guarantee the optical density of the image should be at least 1.20 (Macbeth D19C).

- Minimum 5 years for: EC and P quality
- Minimum 7 years for: F20 and 2ST
- Minimum 8 years for: HS quality
- Minimum 10 years for: FA and FB quality

This statement applies under the following conditions:

- avoidance of light,
- constant temperatures (18 - 25 °C),
- constant humidity (50 ± 10 % relative humidity).

Certain influences may limit the durability of the image, e.g.:

- faulty thermal printhead and / or incorrect adjustment of thermal printer which leads to a poor printing result,
- prolonged exposure to temperatures over 40 °C,
- storage in humid or wet environment over a longer period,
- contact to plasticizers (PVC-foils),
- contact with oil, fat, alcohol, fuels, etc.,
- storage in aggressive atmosphere and contact to other aggressive chemicals,
- direct sunlight.

The combination of several factors, e.g. high temperature together with high relative humidity, will increase the negative effect on the image many times over.

