



DURABILITY OF KOEHLER THERMAL PAPER

Durability

If Koehler Thermal Paper is stored in compliance with the instructions and the following conditions are ensured,

- room temperature between 18 °C and 25 °C,
- relative humidity between 40% and 60%, and
- avoidance of light,

we guarantee reliable performance of at least **two years from the date of production**.

Prolonged storage at high temperatures and/or high humidity can adversely affect the functionality of the thermal layer and lead to discoloration of the thermal layer or printouts with poor contrast.

Avoid contact with organic solvents or fuels.

Durability of the thermal printout

If stored like documents under the above conditions, we confirm that thermal prints on **any Koehler thermal paper qualities will remain readable for 10 years**. The prerequisite for this is an optical density of the printout close to the possible optimum.

Certain influences can, however, limit the durability of the thermal printout, e.g.:

- Weak printout due to a faulty print head / incorrect setting of the thermal printer
- Prolonged exposure to temperatures above 40 °C
- Storage in a humid or wet environment for a prolonged period of time
- Contact with plasticizers (contained in PVC films)
- Contact with oils, fats and alcohol
- Contact with aggressive chemicals
- Exposure to direct sunlight

If several factors are combined, e.g. high temperature and high humidity, the effect is many times greater. Therefore, all influences that may limit the durability of the printout should be avoided.

Blue4est®

For the **Blue4est®** thermal papers, we guarantee the functionality and legibility of the thermal printout (image will not fade) for **at least 35 years**, regardless of the influencing factors mentioned.

