



Gmund Bio Cycle

PRINTING INFORMATION

- Printing**
- Offset printing (Chlorophyll – Blattgrün is suitable for offset printing, but with some restrictions)
 - Letterpress
 - Silkscreen
 - Blind embossing
 - Hot-foil embossing
 - Stamping

- Recommendations for offset printing**
- Raster widths up to 80 l/cm
 - Adjust the lithograph depending on the paper's color
 - Proof on the paper which will be used for the print run
 - Under color removal (UCR) with ample ink
 - Deposits of cotton dust or inclusions on the offset blanket are avoidable and require regular cleansing of the rubber blankets. This is especially true for Chlorophyll – Blattgrün: tiny plant parts can separate from the surface here.
 - 600 g/m² can be offset printed only by cardboard printing machines (thickness of the material = ca. 1 mm).

Low absorption of the printing ink, therefore:

- Print using only oxidative-drying inks
- Print dusting, low printing stack
- Dry thoroughly for a minimum of 24 hours

- Recommendations for laser / inkjet printing**
- 100 g/m² is suitable for laser and inkjet printers in office environments
 - Suitability for laser and inkjet printers refers to unprinted sheets in the delivered format
 - Further processing (offset printing, cutting, embossing, etc.) can adversely affect the paper and its suitability for printing with laser and inkjet printers
 - If subsequent laser printing is to be done on printed sheets that were pre-produced with offset printing, then the offset printing should be done with laser-compatible inks and a low application of moistening agents. An offset raster surface with maximally 40% coverage is recommended.



Special features

- Inclusions, the look of the sheet and the color may vary slightly from one fabrication to the next due to the composition of the materials and the utilization of natural plant-based raw materials.
- The special character of Chlorophyll – Blattgrün looks best when little ink is used, with blind embossing, and in letterpress printing.
- The printing technique should be adapted to suit the unusual surface of the paper
- Acid-free, pH-neutral
- Rag – Baumwolle has a very soft surface that can easily be marred by physical pressure. Pressure and abrasion should be reduced as much as possible to avoid scratches during processing.
- High-quality cotton fibers from the USA are used in the manufacturing of these papers. Cotton is a naturally grown raw material that has not been chemically homogenized. Paper's typical response to atmospheric humidity is quite noticeable here, so the paper may shrink if it becomes very dry.
- Natural papers have an upper side and an underside. It is recommended to use the paper's upper surface as the front of the printed item.
- Cycle – Kreislauf is acid-free and therefore not entirely resistant to aging because of the possible presence of woody fibers in the recycled raw material.
- When printing and processing, follow the manufacturer's recommendations for machines, printing inks, adhesives, laminating foils, stamping foils, etc. Gmund accepts no liability for damage resulting from incorrect use.

Additional information

- www.gmund.com