



## Sustainable by principle

*Shaping sustainable future with social  
responsibility*





## KLUG's expertise

### *Research for preservation packaging solutions*

KLUG-CONSERVATION, with over 150 years of experience, has the know-how to produce premium-quality products made from ageing-resistant paper and board, ensuring maximum permanence and durability for long-term preservation of assets in archives, museums and libraries. Close collaboration with our customers and intense cooperation with the paper industry, research institutes, universities and academies allows us to continually improve our existing products as well as develop new ones. This is essential for maintaining a consistently high quality standard, as well as keeping up-to-date with the latest developments in the conservation field. We would like to share this knowledge with you in the form of our "Technical Knowledge Folders". Should you have any further questions, please refer to our website, our printed publications or contact us personally.

Michael Kühner

Peter Lang

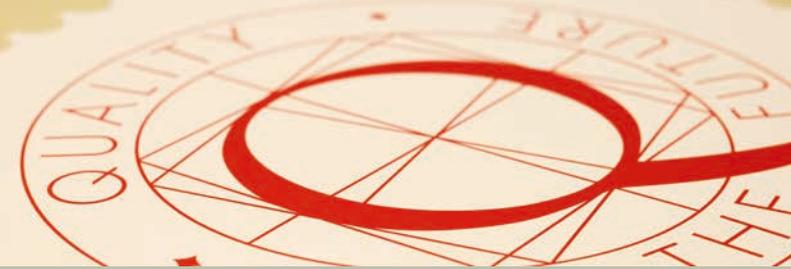
## Sustainability as a corporate value

Our guiding principle is sustainability. People and the environment are the centre of our business decisions. We strive to conserve resources, preserve regenerative capacity, and act with social responsibility.

## We pay close attention

At our Immenstadt production site, we embrace environmentally friendly manufacturing processes that conserve resources and maximize energy efficiency. Many of our products carry internationally recognized environmental certifications and are manufactured in accordance with strict quality guidelines.

Our in-house laboratory – KLUG Q-Lab – ensures uncompromising quality by continuously monitoring material properties to meet the highest conservation standards. Through close collaboration with leading restorers, conservators, and scientists, we develop innovative solutions tailored to the unique needs of cultural heritage preservation.



All products developed, manufactured, and distributed by KLUG-CONSERVATION are made from 100% virgin fibre pulp with FSC® certification.

Adhesives and additives are sourced – whenever possible – from natural raw materials such as plant-based starch or gelatine. Production waste is fully recycled by type. As part of our quality management system (DIN ISO 9001, FSC, DIN ISO 14001), all processes are documented and subject to continuous monitoring.

## Commitment to community

KLUG-CONSERVATION actively supports the preservation of cultural assets in times of disaster, such as during the „Oder flood“, the collapse of the Cologne City Archives, and the fire at the Duchess Anna Amalia Library in Weimar.

Beyond these efforts, we are committed to local engagement with schools, nursery schools, sports clubs, museums, archives, and libraries.

Our production partners particularly in the manufacturing of packaging and accessory items include non-profit organizations for people with disabilities, ensuring social impact at every step.

## Energy efficiency & resource management

We ensure responsible resource management throughout all production processes. A solar power system with battery storage covers a significant portion of our electricity needs, and we aim to continuously increase the share of self-generated energy. Our suppliers and transport partners are selected based on their ecological standards.

## Every step counts

KLUG-CONSERVATION has voluntarily committed to becoming climate-neutral by 2030. Our main focus is on reducing self-produced CO<sub>2</sub> emissions through energy efficiency and the use of renewable energy sources. To achieve this, we have joined the Climate-Neutral Allgaeu Alliance.

Our key measures include:

- Passive house company building (EnEV 2013)
- 65% In-house solar power generation, remaining electricity: 100% green energy
- Transition to LED lighting throughout
- Efficient vacuum turbines replace vacuum pumps
- In-house EV charging stations
- Heat recovery via heat exchanger system
- Additional heating with 100% eco-gas



**ALLIANCE**  
Climate-Neutral  
Allgäu 2030



- Energy-efficient high-pressure pump for air humidification
- AI-controlled radiator valves
- Avoidance of car and air travel, increased use of video conferencing
- Paperless business processes
- Optimized raw material usage through new technologies
- Pollination-friendly landscaping on company grounds
- Fair-trade organic products for employee catering
- In-house water treatment instead of transporting bottled water
- Recycling, sorting, waste recycling and recovery
- Reduced hygiene paper consumption through new dispenser systems
- Climate-neutral parcel and freight shipping
- Reuse of packaging materials, switch to paper tape, usage of exchange pallets
- Home office options, company bike leasing
- Two-shift operation
- Discounted vehicle-charging for employees

Unavoidable residual emissions are compensated by supporting high-quality climate protection projects both regionally and globally.

## FSC® Certification

The FSC® (Forest Stewardship Council) promotes responsible forest management. Walter Klug GmbH & Co. KG, as a manufacturer and distributor of FSC®-certified products, holds a chain-of-custody certificate. This guarantees that every step – from forest to finished product – complies with FSC® standards and undergoes annual audits. Learn more about FSC® in issue no. 11 of our Knowledge Series.

Published editions of our Knowledge folders:

- No. 1: Cotton or chemical wood-pulp?
- No. 2: Preservation of cultural heritage
- No. 3: Dyes and optical brightening agents
- No. 4: Fillers
- No. 5: The Oddy Test – Possibilities and limitations
- No. 6: Polypropylene – Material for long-term archiving?
- No. 7: Determination of pH of paper and board
- No. 8: Archivability of recycling papers
- No. 9: The comparison of corrugated boards
- No. 10: The Kappa value
- No. 11: FSC® Certification
- No. 12: Sustainable by principle

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