

## Technical data sheet

*Clamshell box - KS 17 heavy-duty*



### Specifications:

A sturdy and tightly closing clamshell box for books, photograph negatives/positives, glass plates and loosely bound objects. Closed, the box has four-fold wall construction on three sides. Design without slits, includes a base support and spine flaps providing additional strength.

### Sizes ex-stock:

refer to our website [klug-conservation.com](http://klug-conservation.com)

## Material characteristics:

### Base paper

- 100% bleached cellulose
- without the usage of recycling fibres
- free of wooden fibres
- Kappa level < 5 = lignin-free
- pH 7.5 - 10.0 = acid-free (in accordance with ISO 6588-1:2020)
- alkaline buffer > 2% natural calcium carbonate (GCC)
- sizing: neutral/synthetic (without alum additive)
- top surface sizing: Cobb<sub>60</sub> in accordance with ISO 535 < 25
- without optical brightening agents
- light-fastness 8 (= excellent) in accordance with the wool scale (ISO 12040:1998)
- no bleeding in accordance with DIN ISO 16245:2012
- high abrasion resistance in accordance with DIN 53109:2008
- Photographic Activity Test (PAT) passed in accordance with ISO 18916:2007

### Glue used for the corrugated board

- starch-based adhesive
- pH > 8.0
- moisture-proof gumming

### Assembly glue

- glue based on ethylene vinyl acetate copolymer
- free of plasticizers (softening agents)
- aqueous-based
- pH 7.0 – 8.0
- sugar solution and alcohol additives to control the opening time
- solid content 60%
- viscosity at 20° Celcius is approx. 3000 mPa\*s
- Photographic Activity Test (PAT) passed in accordance with ISO 18916:2007

Further information, such as our Quality Guarantee, certificates of independent testing institutions and information regarding application methods and instructions are stated on our website [klug-conservation.com](http://klug-conservation.com).