

Technical data sheet

Clamshell box - KS 17 Trier



Specifications:

A tightly closing clamshell box ideal for extremely heavy and valuable objects as well as for graphic collections. Smooth interior and exterior surfaces. Closed the box has a six-fold wall construction on three sides, spine single-fold, extra support inserts for base and lid.

Sizes ex-stock:

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: Cobb₆₀ 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.