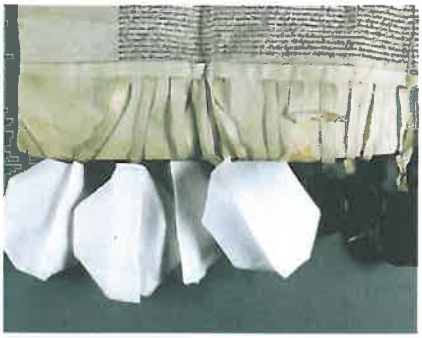
KLUG CONSERVATION

Protective Seal Coverings

A newly developed state-of-the-art protective covering for the safe and secure storage of attached or removed seals



Description:

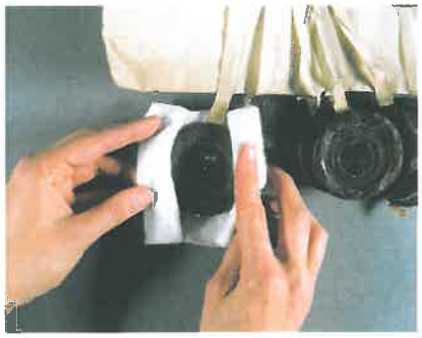
A simple and profound method for protecting seals against damage caused by:

- pushing and pressure implementation
- wear and tear
- scratches
- dirt and impurities.

Over the years of experience, especially while handling historical documents, we concluded that seals were in general not given sufficient attention, but were totally neglected. This was especially evident in the cases of seals found attached on stored documents. Most of the present well known methods for safe storage were unable to protect either attached or removed seals.

During the daily usage of the documents, unprotected hanging seals inevitabely can get damaged due to wear and tear. These kind of damages can be seen in the form of cracks, scratches, tears and splinters. Hence, it was absolutely necessary to have separate covers made for each seal in order to protect them from damages. The development of future-oriented protective covers for seals safeguards against further damages.

Day-to-day work experience in the restoration field has helped to develop this protective method to prevent damage caused due to pressure and pushing impacts, scratches on the surface area and dirt. The criteria for the shape of the protective cover had to ensure easy handling as well as the possibility of using the protective cover in almost every situation. A typical example is to ensure that the attachment tag does not get squashed while fitting the protective cover onto the seal.



During the process of deciding upon the most suitable material the preservers took various different factors into consideration. An important criterion was the emphasis put upon the age-resistance guarantee factor and the permeability of air. Simultaneously the possibility of interaction between the seal and the protective cover was also assessed and evaluated.

After an exact and intensive evaluation of various materials, the most suitable material was selected. 100 % pure mechanically-bound polyester fibres, with a given square measure of 300 gsm and of a thickness of 2.0 mm, also providing the maximum necessary protection guarantee, was choosen.

Usually seals are unprotected against mechanical damages. The pictures on the left demonstrate that our state of the art covers can easily be implemented on any kinds of seals. The shape of the protective cover ensures easy handling and has a wide range of uses. This applies also in the case of numerous seals attached together in a row by a cord.

For use of the protective cover on either attached or removed seals with an attachment tag sticking out on the side, the corresponding side has to be simply cut.
A further application example are seals attached onto a cord; the protective cover can be used in this case as well.

Further information, such as our „Quality Guarantee Certificate", certificates of independent Testing Institutions and information regarding application methods and instructions are stated on our website klug-conservation.com.

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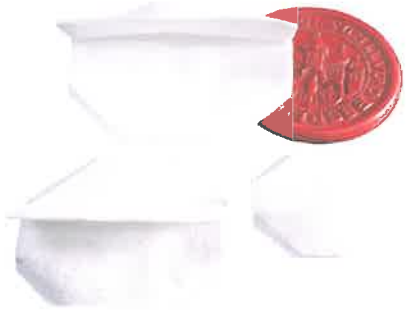
Technical data sheet

Protective covering for seals



Specifications:

A protective covering for attached, removed or hanging pendant type seals. The bag shaped covering offers maximum protection against damages caused by pressure implementation, wear and tear, scratches, dirt and other impurities. The seal covering is made from permeable, ageing resistant, pure polyester fleece.

Sizes ex-stock:

Stock formats see Internet klug-conservation.com

Material characteristics

- Needle fleece material, mechanically-bound, without further chemical or thermal solidification treatment
- 100 % polyester
- free of softeners and plasticizers
- Resistant to acids (concentrated HCl hydrochlorid acid and semi-concentrated H_2SO_4 sulphuric acid
- Not resistant to bases (NaOH)
- Resistant against acetone, diethyl ether, ethanol, trichlorethane, petrol, diesel and lubricating acid
- Moisture absorption 0.2 up to 0.5 %
- lightfast
- scrub-resistant
- Not electro-conductive but electrostatic rechargable
- Weight 300 gsm
- Thickness 2.0 mm
- Corner joints are heat-selaed
- colour white
- No interaction between the fleece material and the seal wax

Remarks:

Practical day- to-day experience in the restoration field enabled the restorers Mrs. Kerstin Forstmeyer and Mr. Johanenes Schrempf to develop these seal bags. Thier main objective was not only to develop a seal covering for easy handling but the form was also relevan

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