



## PRODUCTS CATALOGUE

# Archival storage products for libraries, museums and archives

6<sup>th</sup> Edition







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Gradual *Officia de Beata Maria Virgine* from 1526 in a Castello cardboard box, an example of the Omni-Box system | from the collections of Cieszyn Historical Library

## About us

Beskid Plus is a family-owned enterprise, run since the early 1990s by a pair of school friends. The duo was joined by their sons about a dozen years ago. In 1995, the company was the first in Poland to offer acid-free storage products for storing collections. Owing to close cooperation with the community of Polish archivists and careful monitoring of European and global trends in the archiving industry, the range of products has grown over the years. Beskid Plus is an industry leader in the long-term storage of collections in Poland. In the early days, it offered one type of acid-free cardboard and one archival box construction that came in several sizes. Today, optimal storage solutions are created for almost every archival, library or museum object. Knowing how to store collections properly is not an abstract problem that only concerns a handful of archivists working in inaccessible institutions. It concerns all of us. It is a matter of saving our heritage for future generations, of culture-related 'to be or not to be'. Attention to every detail at the stage of box and folder production imposes a responsible choice of paper, paperboard and cardboard, imported from many parts of Europe and the world.

Over the years, the company has become the main supplier to the Polish State Archives. Modern solutions, customised designs and high-quality storage products make it possible to protect the most valuable archival objects, the oldest volumes in libraries and unique museum collections in more than 30 countries around the world.

We have an extensive network of distributors in European countries who support our cooperation with all customers, even most demanding ones, and assist us with tendering procedures. To find out if there is a distributor of our products in your country, please visit our website. You will find all the necessary information on our website.

We look forward to working with you.

Roman and Piotr Tyrna,  
and Janusz and Dominik Cybuch



Piotr and Roman Tyrna



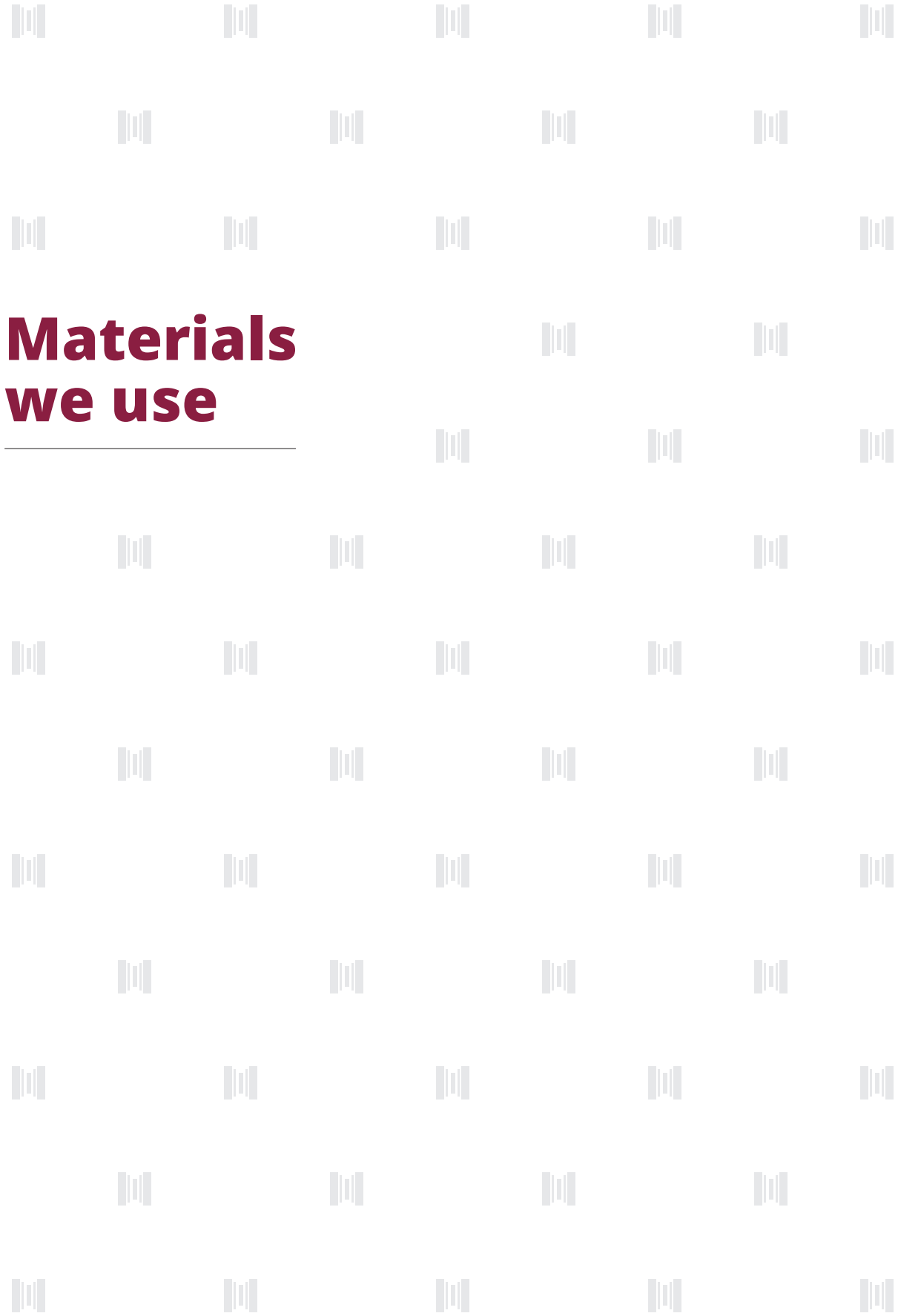
[www.beskidplus.com](http://www.beskidplus.com)

Quality Management System of **Beskid Plus sp.j.** has been approved by **Lloyd's Register Quality Assurance Limited** as compliant with the **ISO 9001:2015** quality management standard.





# Materials we use



Examples of application



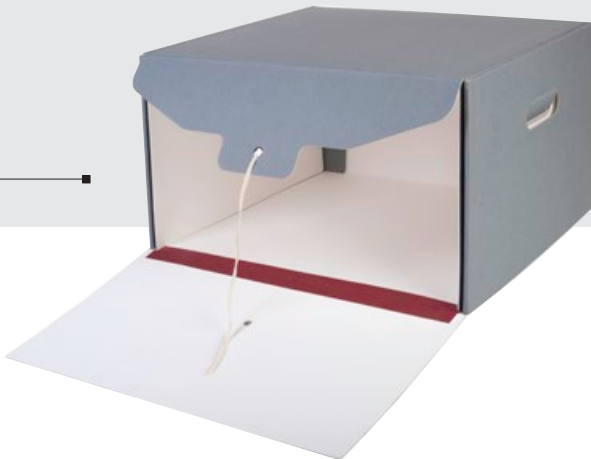
Durable rigid 2-layer cardboard used to produce storage products in large formats



Top quality material to store the most valuable collections



A raw material with optimal characteristics used to produce non-standard storage products



Certificates

→ ISO 16245 A | PAT

Parameters

- cardboard made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>
- dark grey colour with white inner side

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF PHOTOGRAPHIC DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

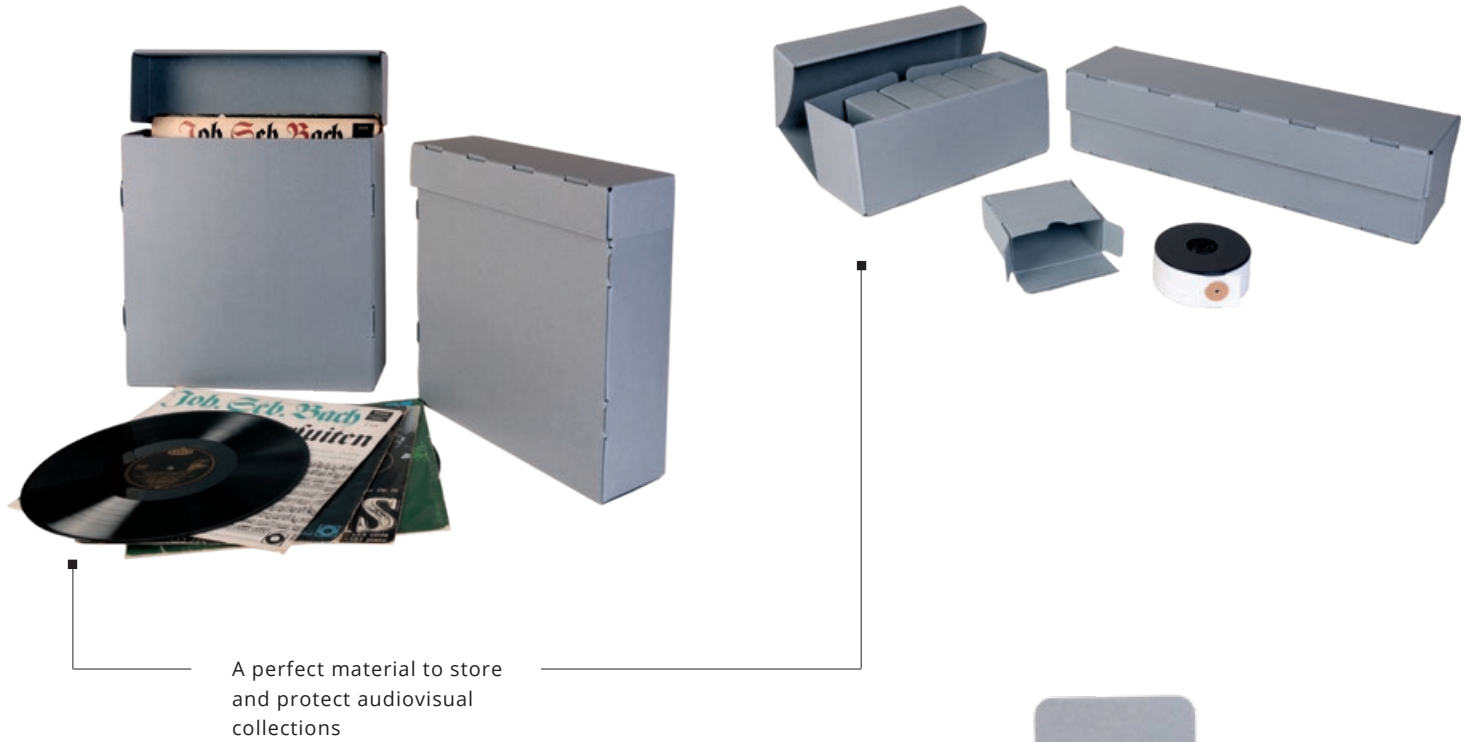
Application

600 g/m <sup>2</sup> 0.8 mm	FOLDERS	✓
	ENVELOPES ENCLOSURES	○
	BOXES	○
800 g/m <sup>2</sup> 1.0 mm	FOLDERS	✓
	ENVELOPES ENCLOSURES	○
	BOXES	✓
1100 g/m <sup>2</sup> 1.3 mm	FOLDERS	✓
	BOXES	✓
1400 g/m <sup>2</sup> 1.6 mm	FOLDERS	✓
	BOXES	✓

✓ — RECOMMENDED    ○ — ACCEPTABLE



Examples of application



Certificates

→ ISO 16245 A | PAT

Parameters

- cardboard made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>
- greyish-blue colour

Purpose



STORAGE OF  
PAPER  
DOCUMENTS



STORAGE OF  
PHOTOGRAPHIC  
DOCUMENTS



STORAGE OF  
MUSEUM  
COLLECTIONS

Version

900 g/m<sup>2</sup>  
1.0 mm

Application



FOLDERS



ENVELOPES  
ENCLOSURES



BOXES



1200 g/m<sup>2</sup>  
1.3 mm



FOLDERS



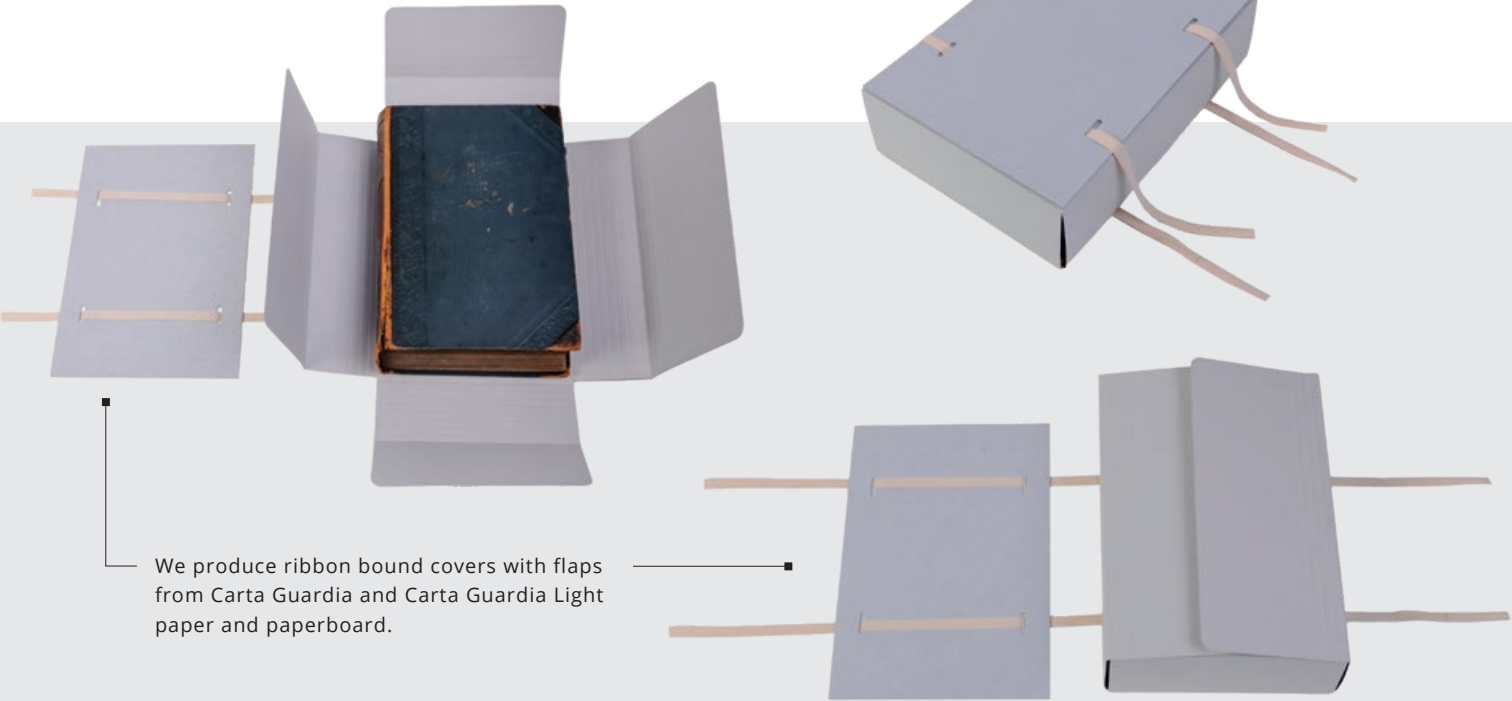
BOXES



✓ — RECOMMENDED

○ — ACCEPTABLE

Examples of application



We produce ribbon bound covers with flaps from Carta Guardia and Carta Guardia Light paper and paperboard.

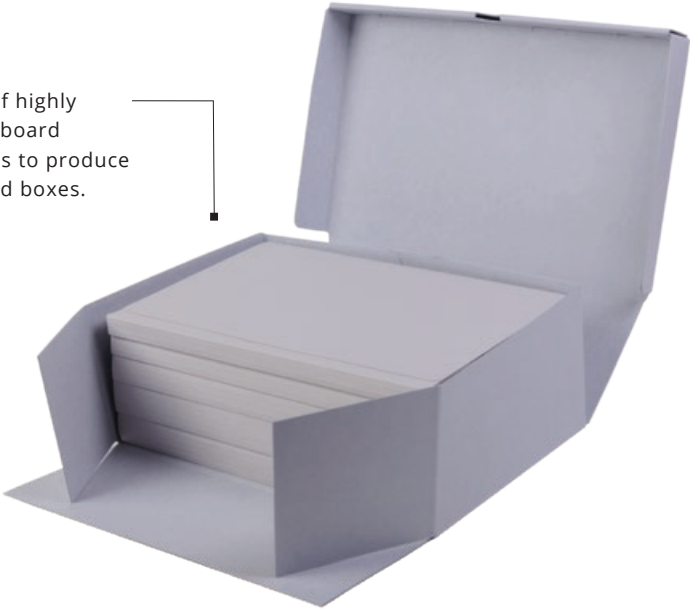


A cardboard compliant with ISO 9706 norm.



You can order an Omni-box Retro box

The use of highly rigid cardboard enables us to produce large-sized boxes.



Certificate

→ ISO 9706 | PAT

Parameters

- cardboard made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- light grey colour

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF PHOTOGRAPHIC DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

900 g/m<sup>2</sup>  
1.0 mm



FOLDERS



ENVELOPES ENCLOSURES



BOXES



FOLDERS



BOXES



1300 g/m<sup>2</sup>  
1.3 mm

1500 g/m<sup>2</sup>  
1.6 mm



FOLDERS



BOXES



✓ — RECOMMENDED

○ — ACCEPTABLE



Examples of application



You can order your company name or logo to be embossed.

A box compliant with ISO 16245 Type B norm



Certificates

→ ISO 16245 B



Parameters

- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- no dye migration
- no migration of optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m²
- greyish-brown colour

Purpose



STORAGE OF PAPER DOCUMENTS

Version	Application	
1100 g/m² 1.5 mm	 FOLDERS	✓
	 BOXES	✓

✓ — RECOMMENDED

○ — ACCEPTABLE



Examples of application



An esthetically looking, exceptionally smooth and rigid material, used for the purpose of exhibitions



The cardboard can be used to construct a set of compartments that can be customized to store various types of objects.



Certificates

→ ISO 16245 | ISO 9706 | PAT

Parameters

- cardboard made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF PHOTOGRAPHIC DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

1680 g/m<sup>2</sup>  
2.0 mm  
IVORY



FOLDERS



BOXES



900 g/m<sup>2</sup>  
1.0 mm  
IVORY



FOLDERS



BOXES



420 g/m<sup>2</sup>  
0.5 mm  
CREAM-COLOURED



FOLDERS



420 g/m<sup>2</sup>  
0.5 mm  
WHITE



FOLDERS



✓ — RECOMMENDED

○ — ACCEPTABLE

Examples of application



Our clients can choose an optimal storage product due to a wide variety of grammage options, depending on the size and weight of the documents.



We use a high quality acid-free adhesive to produce our envelopes.



We only use unbleached calico ties to produce our folders with ties.



Certificates

→ ISO 16245 A | PAT

Parameters

- paper made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>
- dark grey colour

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

Application

100 g/m<sup>2</sup>



ENVELOPES ENCLOSURES



160 g/m<sup>2</sup>



ENVELOPES ENCLOSURES



300 g/m<sup>2</sup>



FOLDERS



ENVELOPES ENCLOSURES



400 g/m<sup>2</sup>



FOLDERS



ENVELOPES ENCLOSURES



✓ — RECOMMENDED

○ — ACCEPTABLE



Examples of application



Carta Guardia paper  
and paperboard  
in light grey



We only use unbleached  
calico ties to produce  
our folders with ties.



Due to the lighter shade  
it is possible to label the storage  
products in pencil.



Certificates

→ ISO 16245 A | PAT

Parameters

- paper made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>
- light grey colour

Purpose



STORAGE OF  
PAPER  
DOCUMENTS



STORAGE OF  
MUSEUM  
COLLECTIONS

Version

130 g/m<sup>2</sup>



ENVELOPES  
ENCLOSURES



Application

330 g/m<sup>2</sup>



FOLDERS



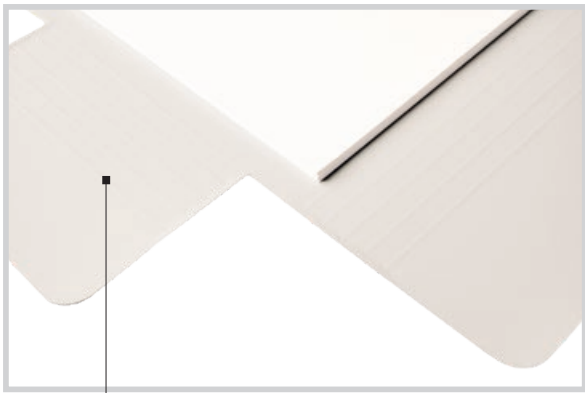
ENVELOPES  
ENCLOSURES



✓ — RECOMMENDED

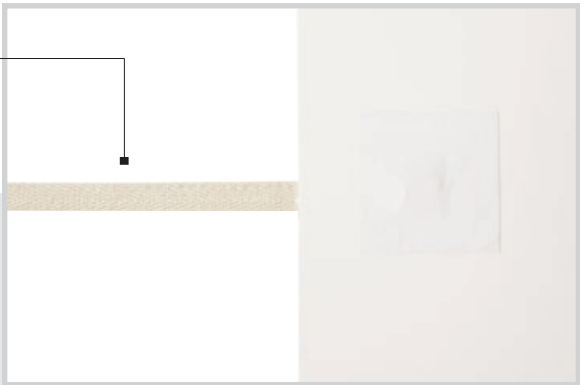
○ — ACCEPTABLE

Examples of application



The flaps in the folders come in two versions – glued or die-cut with the folder.

We only use unbleached calico ties to produce our folders with ties.



The flaps can be made in any format.

Carta Rocca paperboard



Certificates

→ ISO 9706 | PAT

Parameters

- paperboard made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- water absorbency Cobb<sub>60</sub> < 30 g/m<sup>2</sup>
- white colour

Purpose



STORAGE OF PAPER DOCUMENTS

Version

Application

240 g/m<sup>2</sup>



FOLDERS



ENVELOPES ENCLOSURES



300 g/m<sup>2</sup>



FOLDERS



450 g/m<sup>2</sup>



FOLDERS



ENVELOPES ENCLOSURES



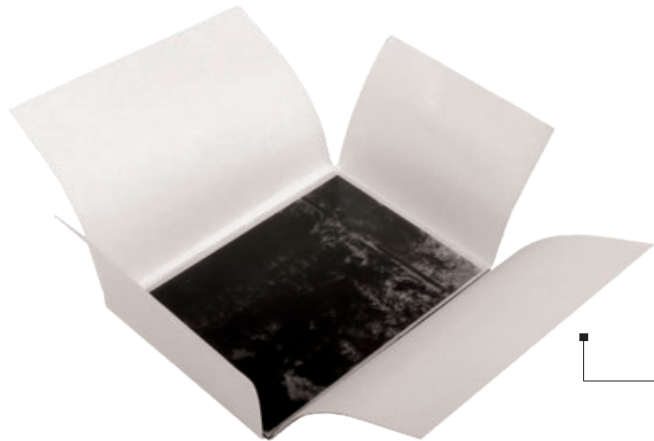
✓ — RECOMMENDED

○ — ACCEPTABLE



Examples of application

The paper can be used to store coin collections, we can produce envelopes as small as 20 mm by 20 mm.



Top quality paper to protect photographic documents against damage



Certificates

→ PAT

Parameters

- paper made of 100% pure cotton cellulose
- pH 7.0
- Kappa number < 5
- no dye migration
- no optical brighteners
- water absorbency Cobb<sub>60</sub> < 25 g/m<sup>2</sup>
- white colour

Purpose



STORAGE OF PHOTOGRAPHIC DOCUMENTS

Version

95 g/m<sup>2</sup>



ENVELOPES ENCLOSURES



Application



120 g/m<sup>2</sup>



ENVELOPES ENCLOSURES



✓ — RECOMMENDED

○ — ACCEPTABLE

Examples of application

High quality of the paper has been confirmed by the ISO 9706 and PAT certificates.

We use a high quality acid-free adhesive to produce our envelopes.

Certificates

→ ISO 9706 | PAT

Parameters

- paper made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- white colour

Purpose



STORAGE OF PAPER DOCUMENTS

Version

100 g/m²



ENVELOPES ENCLOSURES



Application

170 g/m²



ENVELOPES ENCLOSURES



✓ — RECOMMENDED

○ — ACCEPTABLE





Very thin and delicate paper, used for wrapping objects or as interleaving paper

Certificates

→ ISO 9706 | PAT

Parameters

- paper made of 100% pure cellulose
- pH > 7.5
- alkaline reserve > 0.4 mol/kg
- Kappa number < 5
- white colour

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

32 g/m²

Application



ENVELOPES ENCLOSURES



✓ — RECOMMENDED

○ — ACCEPTABLE

Examples of application

Top quality polyester sheet is used to protect photographic documents and paper objects against damage.



Certificates

→ PAT

Parameters

- sheet made of 100% polyester
- neutral pH
- transparent

Purpose



STORAGE OF PAPER DOCUMENTS



STORAGE OF PHOTOGRAPHIC DOCUMENTS



STORAGE OF MUSEUM COLLECTIONS

Version

75 µm

Application



ENVELOPES ENCLOSURES



100 µm



ENVELOPES ENCLOSURES



✓ — RECOMMENDED

○ — ACCEPTABLE



Examples of application

It combines best qualities of paper and transparent polyester sheet.



Our unique sealing method guarantees high durability of the seams.



Certificates

→ **ISO 16245 A** | **ISO 9706** | **PAT**  
depending on the material used for the back cover

Parameters

→ depending on the materials used

Innovative hybrid enclosures which combine best qualities of two different materials: the front cover is made of perfectly transparent and chemically inert Melinex polyester, whereas the material used for the back cover is breathable, acid-free paper or paperboard, or neutral cotton paper. No adhesives are used to produce our hybrid enclosures; the two materials are sealed by means of ultrasonic sealing technology.

Purpose



STORAGE OF  
PAPER  
DOCUMENTS



STORAGE OF  
PHOTOGRAPHIC  
DOCUMENTS



STORAGE OF  
MUSEUM  
COLLECTIONS

Version

Application



ENVELOPES  
ENCLOSURES



Melinex sheet  
**75** µm  
+  
Cotton paper  
**120** g/m<sup>2</sup>



ENVELOPES  
ENCLOSURES



Melinex sheet  
**100** µm  
+  
Carta Guardia  
**300** g/m<sup>2</sup>

Examples of application

Choose the most suitable format of internal divisions.



These enclosures can be clipped into a special ringbinder box, which ensures convenient and safe review of the stored documents.



Certificates

→ **ISO 16245 A** | **ISO 9706** | **PAT**  
depending on the material used for the back cover

Parameters

→ depending on the materials used

The new system of Airvelope breathable hybrid enclosures with internal divisions that can be clipped into a special ringbinder box. Innovative hybrid enclosures which combine best qualities of two different materials: the front cover is made of perfectly transparent and chemically inert Melinex polyester, whereas the material used for the back cover is breathable, acid-free paper or paperboard, or neutral cotton paper.

Purpose



STORAGE OF  
PAPER  
DOCUMENTS



STORAGE OF  
PHOTOGRAPHIC  
DOCUMENTS



STORAGE OF  
MUSEUM  
COLLECTIONS

Version

Melinex sheet  
**100** µm  
+  
Cotton paper  
**120** g/m²

Application



ENVELOPES  
ENCLOSURES





# Constructions

## Book file



Ia

Application:  
books, albums,  
magazines

## Book file + shelf box



Ib

Application:  
books, albums,  
magazines, documents  
in folders, loose documents

## Clamshell box



IIa

Application:  
photographs, books,  
albums, graphic art, maps

## Clamshell box with a fixed back wall



IIb

Application:  
museum collection  
objects

## Drop-front clamshell box with a fixed back wall



IIc

Application:  
heavy books, parchment,  
fragile museum  
collection objects

## Folder box



III

Application:  
books, albums,  
magazines



## Archival box

IVa



Application:  
loose documents,  
documents in folders

## Archival box with tilting front wall

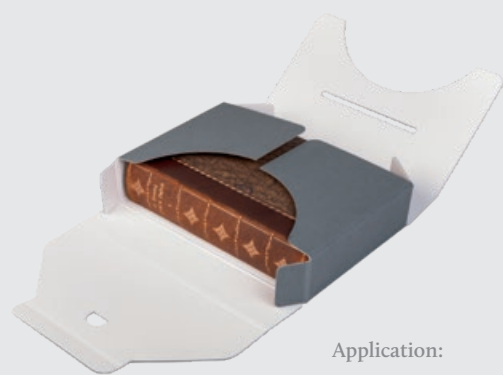
IVb



Application:  
loose documents,  
documents in folders

## Archival box with elongated flaps

IVc



Application:  
books

## Archival box IVd

IVd



Application:  
books, documents  
in folders

## Top lid box

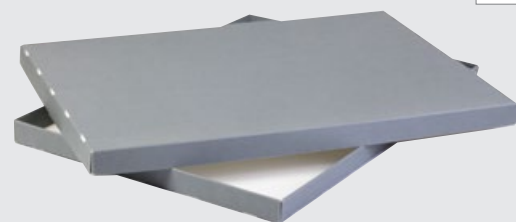
Va



Application:  
museum collection  
objects, historical  
costumes, banners

## Top lid box with a drop-front tray

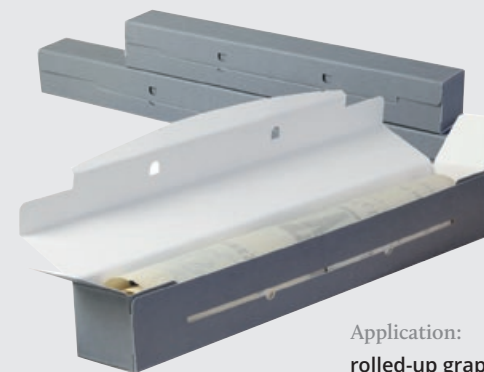
Vb



Application:  
graphic art, posters,  
large format maps,  
banners

## Roll box opened along the spine

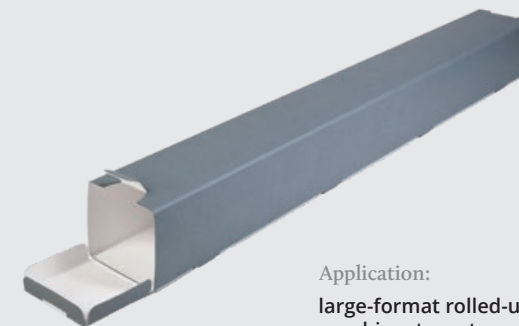
VIa



Application:  
rolled-up graphic art,  
posters, large-format  
maps

## Roll box with opened ends

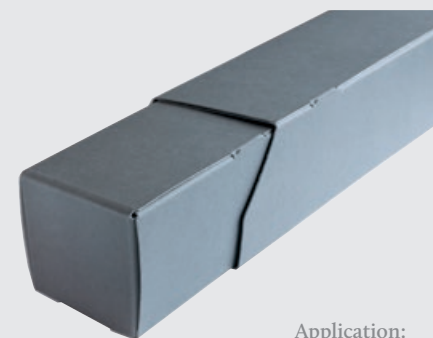
VIb



Application:  
large-format rolled-up  
graphic art, posters, maps

## Two-part roll box

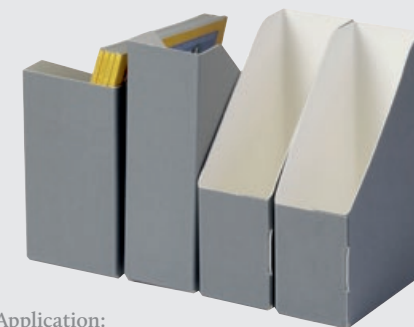
VIc



Application:  
large-format rolled-up  
graphic art, posters, maps

## Shelf box

VIIa



Application:  
documents in folders,  
magazines

## Strengthened shelf box

VIIb



Application:  
documents  
in folders,  
magazines

## Box with an opened front wall

VIIIa



Application:  
books, documents  
in folders, loose  
documents

### Drawer box with an opened front

VIIIb



Application:  
loose documents,  
documents in folders

### Box with a two-part opened front wall and a wrapping tie

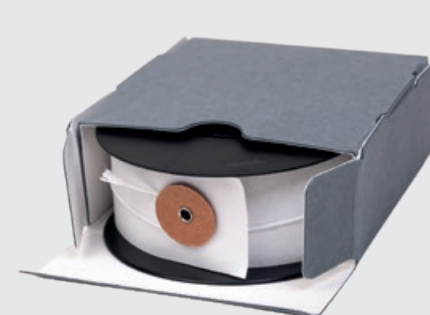
VIIIc



Application:  
books, documents  
in folders, loose documents

### Microfilm box I

XIIIa



Application:  
microfilms

### Microfilm box II

XIIIb



Application:  
microfilms

### Box with compartments

IX



Application:  
museum collection objects,  
documents, negatives, glass  
plate negatives

### Hatbox

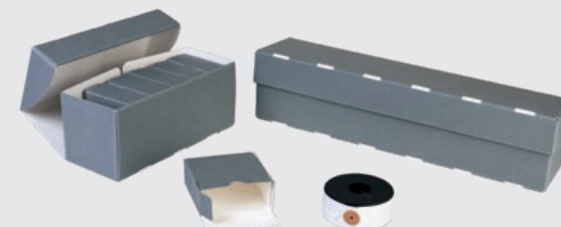
X



Application:  
hats, round museum  
objects, film spools

### Collective microfilm box

XIIIc



Application:  
microfilms

### Envelope

XIVa



Application:  
single documents,  
photographs, postcards,  
glass plate negatives

### Transportation box

XI



Application:  
documents, books,  
museum collection  
objects

### Ringbinder box for Secol system

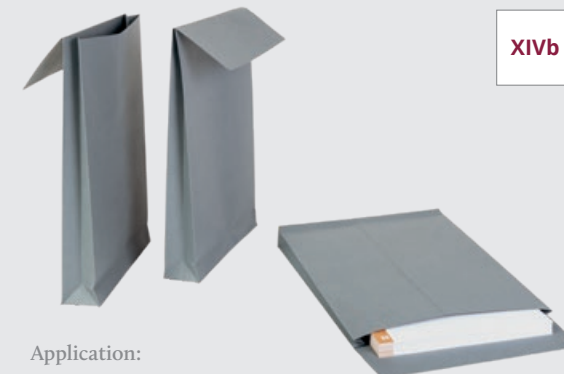
XII



Application:  
documents stored  
in Secol sleeves,  
photographic documents

### Expansion envelope

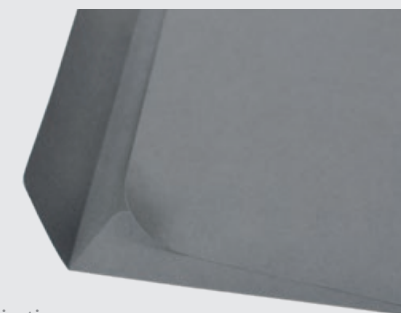
XIVb



Application:  
documents, photographs,  
graphic art, plans

### Envelope with a safety seal

XIVc



Application:  
loose documents

## Tied-up folder

XV



Application:  
photographs, documents,  
graphic art, plans

## Enclosure with four flaps

XVIIa



Application:  
documents

## I-type enclosure

XVIIId



Application:  
photographs, documents,  
graphic art, plans

## Folded enclosure for documents

XVIIe



Application:  
documents

## L-type enclosure

XVIIb



Application:  
documents, books, sewn  
documents

## U-type enclosure

XVIIc



Application:  
documents, books, sewn  
documents

## Ribbon-bound covers

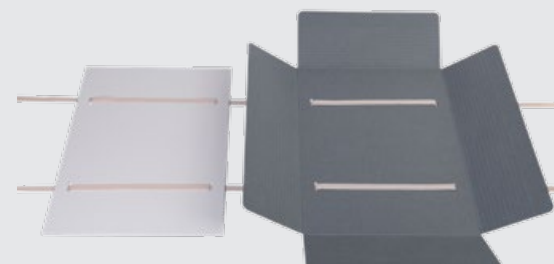
XVIIIa



Application:  
documents, books, sewn  
documents

## Ribbon-bound covers with flaps

XVIIIb



Application:  
documents, books, sewn  
documents



# Quality criteria for our products

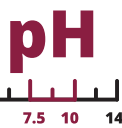


Boxes, folders and enclosures produced by Beskid Plus are used to store some of the most valuable collections of archives, libraries and museums in Poland and other countries. For this reason, our archival storage products must comply with a number of strict requirements defined by ISO international standards:

**ISO 9706 Standard**  
– defines criteria for permanent paper, i.e. the kind of paper which, when stored properly, can remain unaffected for a few hundred years;

**ISO 16245 Standard**  
– refers specifically to archival storage products and defines requirements regarding both the material that a box or a folder are made of and the finished storage product itself. It introduces a division into file covers (whose surface comes into direct contact with the stored objects) and boxes (collective storage products). It also makes a distinction between two types of cardboard: type A board (made of pure cellulose, with Kappa number below 5) and type B board (with no restrictions regarding Kappa number);

**PAT (Photographic Activity Test)**  
– the purpose of the test is to confirm that a given material does not come into reaction with the main components of photographic emulsion. PAT certificate is required when a storage product is used to store photographic documents.



**pH value**  
From 7.5 to 10

Only products with pH within the values above ensure a safe environment for the stored documents, preventing an accelerated process of the documents’ disintegration caused by acids.

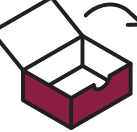


**Alkaline reserve**  
Minimum 0.4 mol/kg (in the case of calcium carbonate, the minimum content of CaCO<sub>3</sub> in paper should be 2%)

Alkaline reserve is a basic additive whose function is to neutralize acid compounds appearing at a later time, which results in a longer-lasting effective protection of the stored objects.



100% cellulose



**Resistance to oxidation**  
Kappa number below 5

This parameter confirms that the raw materials used to produce paper or cardboard are of highest quality. It can only be met by paper made of 100% cellulose, without added wood pulp.

- ✓ ISO 9706
- ✓ ISO 16245 (does not apply to type B board)

**Dyes and optical brighteners**

Dyes and optical brighteners must not migrate. The material used to produce file covers should not contain any optical brighteners.

- ✓ ISO 16245

**Resistance to water absorption**  
Cobb<sub>60</sub> value below 25 g/m<sup>2</sup>

The calculated mass of water absorbed in 1 minute must be lower than 25 g per 1 m<sup>2</sup> of cardboard used to produce the box.

- ✓ ISO 16245

**Adhesives, binding elements and fixing elements**

Adhesive agents must not contain plasticizers. Rivets and staples must be made of a raw material which does not corrode.

- ✓ ISO 16245

**Open/close durability**

A box should withstand being opened and closed at least 300 times without sustaining damage.

- ✓ ISO 16245

**Resistance to load**

A box must withstand a pressure of at least 20 kPa (which means a pressure of about 150 kg in the case of a box for A4-format documents).

- ✓ ISO 16245

**Reaction with photographic emulsion**

The material tested must not have a destructive effect on the main components of photographic emulsion.

- ✓ ISO 18916 – Photographic Activity Test (PAT)

# General information

**Assistance in the choice of products**

We know how difficult it can be to choose suitable archival storage products. For this reason, we will be happy to help you with the choice of an optimal and fully satisfying product. Beskid Plus consultants are available for you from Monday to Friday, from 8 a.m. to 4 p.m:

English Customer Service +48 508 758 366

**Price quotation in the case of non-standard orders**

In the case of non-standard orders (e.g. orders for storage products made by means of binding technology), which require the calculation of costs related to raw materials, dies, etc., we commit to provide price quotations within a period no longer than 2 days.

**Order completion time**

We are constantly improving our production and logistics processes, which means that we aim at shortening the waiting time for ordered archival storage products as much as possible. In the case of orders for products which are part of our standard offer – about 80-90% of the products we offer – our Clients can expect completion of their orders within 48 hours. Completion time for orders regarding non-standard size and non-standard construction boxes and folders takes from 2 to

5 weeks. Completion time for Omni-Box system products is agreed upon on an individual basis.

**Placing orders**

Orders can be placed through our online shop at [www.en.beskidplus.com](http://www.en.beskidplus.com), by email, by fax or by mail – in such cases you should download and fill in an order form available on our website.

**Transport and logistics**

Most of the ordered products are delivered to you by means of courier companies. Large-size products are sent on pallets, whereas smaller or lighter (up to 30 kg) ones are sent as packages.

**Payments**

It is possible to issue an invoice with deferred payment – 14 days.

**Warranty**

Terms and conditions for a warranty on a given product are defined on an individual basis.



Market square in Cieszyn

## PHU Beskid Plus sp. j. Tyrna Cybuch



ul. Towarowa 3  
43-400 Cieszyn  
Poland



tel.: +48 508 758 366  
tel.: +48 33 470 77 81



[info@beskidplus.com](mailto:info@beskidplus.com)



[www.beskidplus.com](http://www.beskidplus.com)

**BESKID**

PHU Beskid Plus sp. j.  
Tyrna Cybuch



ul. Towarowa 3  
43-400 Cieszyn  
Poland



[info@beskidplus.com](mailto:info@beskidplus.com)



tel.: +48 508 758 366  
tel.: +48 33 470 77 81  
fax: +48 33 470 77 86



[www.en.beskidplus.com](http://www.en.beskidplus.com)



VAT ID number: PL 548-20-75-995  
SWIFT - POLUPLPR  
IBAN: PL 94 8113 0007 2001 0006 8446 0006