

## CERAMBOX®

PROTECTION BOXES RESISTANT TO FIRE AND WATER TO CONSERVE PRECIOUS GOODS AND DOCUMENTS IN CASE OF FIRE

CERAMBOX® are waterproof and fire-resistant up to 1050°C. Depending on the range, CERAMBOX® are able to keep a temperature of 50-70° inside the box.

CERAMBOX® benefit from outstanding quality in compliance with ISO16245 standard currently in force in archives and libraries.



Designs of CERAMBOX® are adapted to needs and requirements associated with the protection of items and precious documents as diverse as roll-films, manuscripts, pictures, books, sculptures, drawings, paintings, etc.

**Use:**

Storage: The quality of materials and the technology of **CERAMBOX®**, rank this product high in the range of preservation packaging. Thus their use is restricted to prestige collection or to sensitive items or documents stored in fire hazard places.

Transportation: As they reduce the risk of damage, they can decrease insurance costs of transporting art works. They can also keep more stable climatic conditions inside the box compared to other packaging facing temporary exposure to high temperature or moisture change (ex: exposure to sunshine during several hours).

Adaptability: Tailored-made production can be considered for very small numbers.

**Features:**

**CERAMBOX®** conservation cases stemming from high patented technology are made from a composite material made of clays, technical ceramic and natural fibers (kapok and cotton).

Their features make waterproofness particularly effective even in the case of high water spray (such as firefighter or sprinkler). Outer seal made of natural rubber classified M2 resistant to high temperature insures waterproofness and brings additional protection against shocks.

**Two standard shapes of CERAMBOX® are especially suited to museum items, books and roll-films packaging.**

For packaging, the inner shape of the case is rectangular and filled with polyethylene foam such as Plastazote®. This foam provides a precise and customised cushioning after tailor-made cutting.

External shape shall comply with production constraints and has to take a “petal” look.

Inner seal of the box made of inorganic technical material provides easy opening for a research but converts into an entirely waterproof sealing under intense heat.



The range of CERAMBOX® products undertook several laboratory tests guaranteeing the best long-term preservation conditions.

Water-repellent treatment improves even more the waterproofness of the box while ensuring air circulation.

The smooth surface of the material does not grip dust and allows easy cleaning with dry or damp microfiber cloths.

For the packing of film-rolls, cushioning foam is also provided for octagon shaped-boxes.

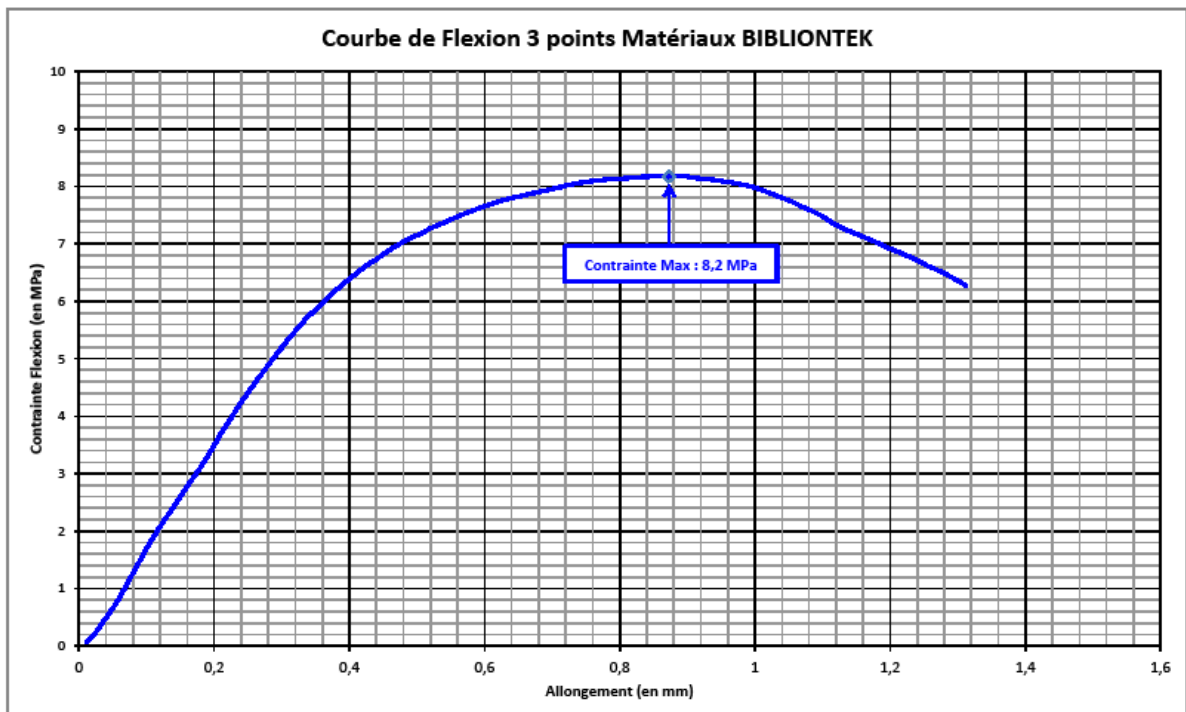
The making of these octagon boxes, in their patented form, is similar to the aforementioned rectangular shape.

They also successfully passed acid-resistant test (nitric acid due to film making)



The material made of five different clays and natural fibers such as kapok and cotton is strongly pressed and its structure requires to be balanced with well-studied reliefs so as to foresee distortions.

The material is raw and keeps its structural integrity. For these reasons it is extremely resistant to chocks and pressure.

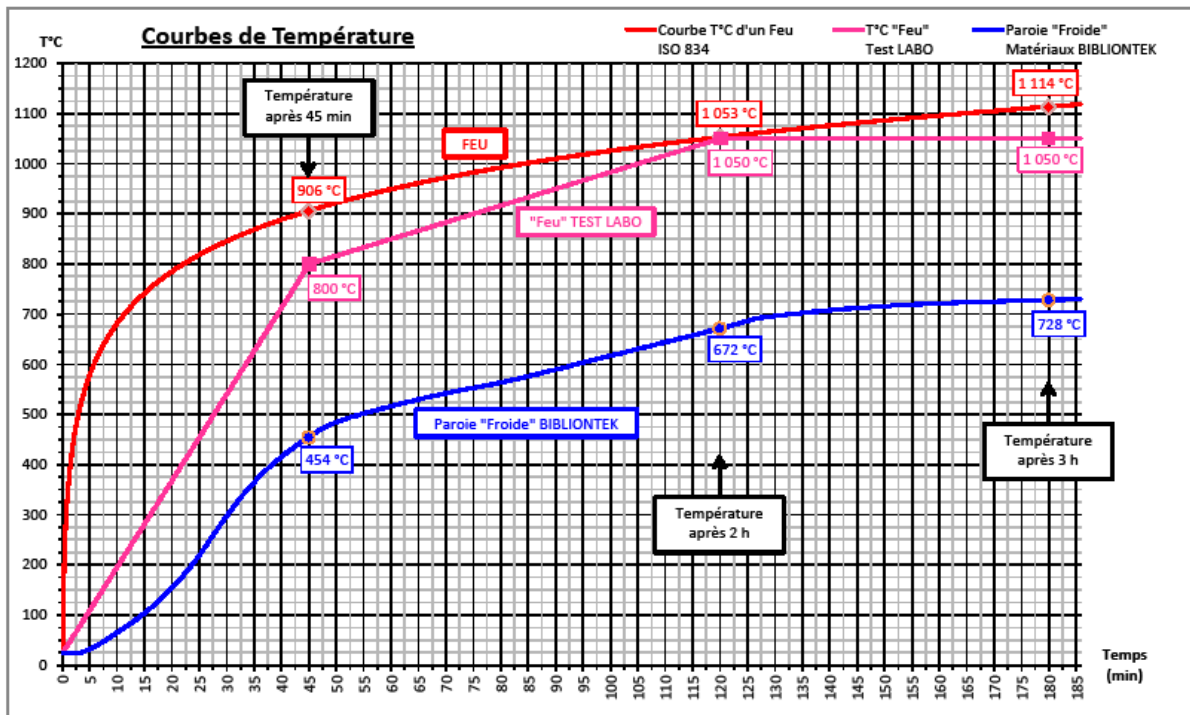


### Reaction and resistance to fire

The material used to make **CERAMBOX®** is classified M0 (GEMH laboratory). It clearly slows down heat spreading through the walls of the box (even single shell) and insures protection to paper documents self-inflammable at 230°C.

For further effectiveness, a twofold shell box is fire-resistant up to 1050°C while keeping inside box temperature at 70°C.

The inner seal will automatically seal the box under strong heat to get complete impermeability.



Fire-resistance, waterproofness, sturdiness and climatic stability make **CERAMBOX®**, a key range of preservation packaging for the preservation of the most precious goods.

The shape of boxes and the quality of the material used also protect goods and documents from the most frequent biological contamination.

Tailored-made sizes can be made on demand for small numbers but they require the production of a specific mould.

Standard sizes:

<http://www.bibliontek.fr/produitcat/10000013.html>