

Technical sheet

COPPER LINE

01

Recyclability

The copper coated material is completely recyclable in the paper bin, as per analyses that place it in grade A (the highest) for recyclability.

02

Bags

The Copper Bag has a flat bottom with the outer side in copper, made up of compact particles that create a reflecting effect and an increased light barrier. This freshness-preserving bag holds the food during the transport phase, without crushing it, and allows partial consumption of the contents.

The bags are produced in three standard formats that adapt perfectly to their intended uses - the 18x25 or 25x37 sheet, folded in half for the 20x32 bag; the sheet folded in three, like a single ticket, for the 12x34 bag; and the other wrapping for the 13x32 bag.

Other formats and lengths are also available based on the customer's needs.

03

Sheets

The freshness-preserving Copper Line has an internal sheet that wraps directly around the product. This sheet comes in two, innovative versions.

The first, in Copper Paper®, has an outer side in antibacterial copper with an embossed finish and is completely recyclable as paper. It is duplex and has a PE-HD thin, inner film that creates a total air barrier. The film can be easily separated. The second, in bio white coated PE paper has an outer surface in white, FSC certified pure cellulose paper and an inner surface bio extrusion-coated in BASF material, creating a real air barrier, which is necessary for preserving the food (not all bio-coated materials have this function). The sheet is completely compostable.

04

Food safety and antibacterial effectiveness

The inside of the bag is suitable for contact with food based on HACCP and MOCA standards. The thin outer layer of copper creates a light barrier that increases the shelf life of the product and almost completely eliminates the presence of bacteria. Laboratory tests have shown how the outer copper coating is able to reduce bacteria by almost 99%. Staphylococcus aureus was reduced by 99.90% and E. coli was reduced by 99.87%.

05

COPPER BAG

20 x 32 + 4
13 x 32 + 4
12 x 34 + 4

** net material weight

dispenser box 1000 pcs — approx. 7.0 kg**
dispenser box 1000 pcs — approx. 5.2 kg**
dispenser box 1000 pcs — approx. 5.0 kg**

06

DUPLEX COPPER PAPER

18 x 25
25 x 37
37 x 50
33 x 40
50 x 75

** net material weight

dispenser box 2000 pcs — approx. 4.2 kg**
dispenser box 1000 pcs — approx. 4.2 kg**
dispenser box 1000 pcs — approx. 8.5 kg**
dispenser box 1000 pcs — approx. 6.1 kg**
dispenser box 500 pcs — approx. 8.5 kg**

THE FOOD PACKAGING THAT REDUCES BACTERIA

Copper Bag and Copper Paper are a freshness-preserving package for counter-served foods that can reduce bacteria by **over 99%**.



Staphylococcus aureus



Escherichia coli



HOW IT WORKS

Copper Bag is made up of **99.5% light**, thin paper that is FSC certified and **0.5% copper** applied using a sublimation and nebulization process.

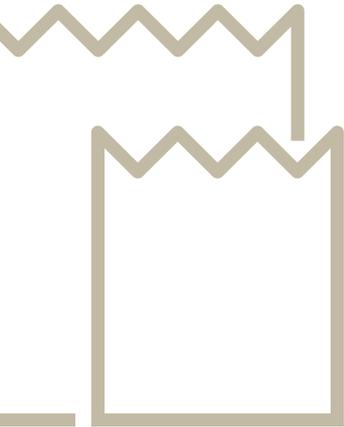
It can be paired with a recyclable and compostable sheet coated in bio polyethylene or by a recyclable sheet paired with separable HD-PE film, which create air barriers for preserving foods.



FSC certified paper



Sublimated and nebulized copper



WHY CHOOSE COPPER BAG



Recyclability

Bags and paper have **grade B** recyclability and can be disposed of with paper waste.

100% Recyclable



Food safety

The inside of the bag complies with **HACCP** and **MOCA** standards and external copper nebulization creates a light barrier that increases the shelf-life of the product and reduces bacteria.

Increased light barrier

Longer shelf life



Graphics and customization

Copper Bag provides a strong, exclusive visual impact and can also be customized with printing on the entire surface in up to **4 colours**.