

RESISTEX.COM



**C O P P E R**



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MADE IN ITALY



**Antimicrobial**

Because copper can eliminate a broad-spectrum of microbes. It works on microorganism cell walls. Thanks to this property, copper helps to reduce bad odor caused by some microbes.



**Antistatic**

Because of its conductivity, the fiber absorbs and disperses electric charges accumulated from the environment or during physical exercise.



**Beneficial for the human body**

Because copper is necessary for growth and for the development of the metabolism. It is essential for good health.



**Heat regulating and moisture transer**

Because it speeds up the evaporation process of perspiration, slow-down the formation of humidity on the skin and keeps the temperature constant.



**Fighting free radicals**

Because copper is present in the superoxide dismutase enzyme. It has a strong antioxidant valid action eliminating free radicals, the cause of aging.



**Permanent**

Because of its particular structure, it maintains a constant effectiveness over time, even after many washings.

Resistex® products are certified by



**Copper**

Copper has high thermal conductivity characteristics and antibacterial properties. It is an essential element to the human body. **Resistex® Copper** is a high-tech yarn obtained by the union of natural or artificial fibers with pure copper.

**Copper and Health**

In human body metabolism, copper is an essential element for children development, bone strengthening, the formation of red and white blood cells, iron transport, cholesterol and glucose metabolism, heart contraction and brain development. A deficiency of copper, on the contrary, can lead to health problems. It's present in a human adult in the extent of 1.4 - 2.1 mg per kilo of body weight, amount which is three times higher in the first years of life. An adult needs a daily intake of 0.9 mg of copper per day (as determined by the National Academy of Science, USA). A daily intake of copper is therefore necessary to maintain a good balance, especially since, in normal conditions, the human body retains only 1% of ingested copper.

**A friend against aging**

Copper can also help to effectively fight aging. In fact copper is in the enzyme superoxide dismutase, which carries a valid action against free radicals and aging.

**Cupro Therapy**

The Cupro therapy is the therapeutic use of copper or its salts. Copper bracelets were used 6000 years before Christ, and among those who suggested them in order to improve the state of health we can name Aristotle, Galen, Hippocrates, and Avicenna. A survey on 300 people, suffering from arthritis and who wore copper bracelets, showed that a "significant number" of them has claimed to have had benefits from the bracelet. Furthermore, studies showed like bracelets had lost 50 mg over a period of 50 days.

**Resistex® Copper** works on three levels:

- **biochemical level**, through the absorption of copper by the skin, via osmosis
- **electromagnetic level**, which is the resonant circuit
- **bioelectric level**, by adjusting the micro-organism

The Cupro Therapy, in conclusion, shows how copper can be assimilated not only through food and drinking water, but also through the skin.

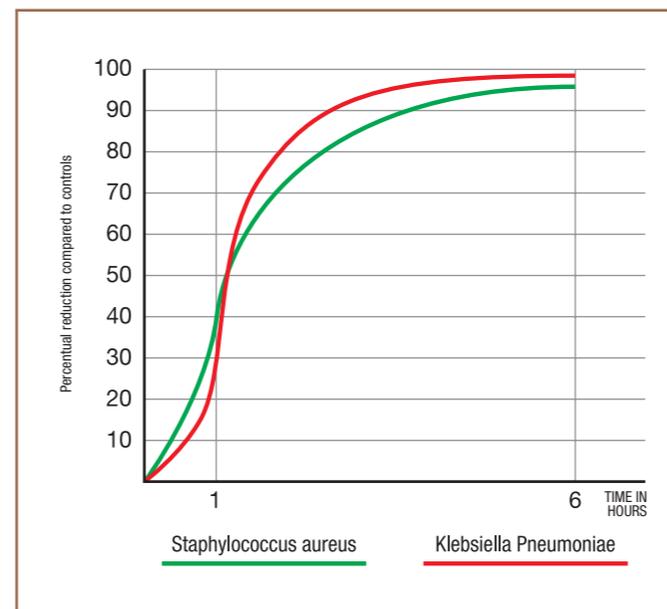
**Beneficial**

**Resistex® Copper** fights germs and bacteria potentially harmful to human health: it's an antibacterial, which means it's able to inhibit the breeding of bacteria. Metals such as copper and silver are known as bactericidal agents and this effect is due to their action on the cell wall of the microorganism. This property helps reducing odors caused by bacteria.

The range of yarns **Resistex® Copper** is used for its anti-static nature, for its excellent thermal conduction and its antibacterial and beneficial properties for the human body.

Thanks to its outstanding features, **Resistex® Copper** is currently used for the production of:

- fabrics for fashion clothing
- sportswear fabrics
- industrial (antistatic) fabrics
- furnishing materials
- fabrics for curtains and drapes
- warming fabrics
- fabrics for shoes



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