



# Copper

Copper is a natural mineral found in all living organisms. With its regenerative and antibacterial effects, *Copper* is one of the brands offered in our *Sleep Solutions* line of specialty sleep fabrics.

Copper has a variety of functions both inside and outside the human body. Internally, copper is part of the human diet as a trace mineral that is necessary for enzymes to function efficiently. Copper is involved in the synthesis and stabilization of extracellular matrix skin proteins like collagen and enzymes. Medical studies have shown that copper helps with skin elasticity, wound healing and regeneration.

Copper is also a natural antimicrobial. Many forms of bacteria find copper to be an inhospitable surface that causes bacteria cell membranes to die. In tests of fabric knitted with our copper yarn, it has shown to have broad spectrum antimicrobial effects killing 96.3% - 99.9% of common skin, E. coli and other odour causing bacteria. Because of this, copper is now being trialed in hospital settings, including surfaces and in the form of hospital clothing to keep bacteria and disease at bay. Overall, these benefits could create mattress and sleep fabric that is clean and regenerative.

**REGENERATION**



**ANTI-BACTERIAL**

*\*Test results available upon request, please note that test results are provided by the yarn supplier and your results may vary*

Please call our specialist for more information about the fresh and exciting new textiles and our broad range of capabilities.