



X15 SUNTECH
by SPECTRA SOL

Our company pays attention to the quality controlling, researching, developing and the environmental protection.

We offer wide range of multilayer materials (hardshell, softshell, Hi-Tech insulance...) and one layer materials in various compositions (polyamide, polyester, polyester-elastane, aramid, polyester-cotton, polyester-cotton-elastane, wool, wool-polyester, wool-polyester-elastane...), in many diferent weavings... oxford, taslon, microfiber, pongee, satin, mesh lining, ... plain, twill, rip stop, dobby, print, yarn dyed.

We offer many finishings, like flame retardant, teflon, water repellency, water resistancy, windproof, warmth keep, UV protection, quick dry, anti-viral, anti-bacterial, anti infra-red ray, mildew proof, sun shield, lamination with diferent type of mambranes: PU, PTFE, PE, TPE, PES..., in 2layers, 2.5layers, 3layers, ...

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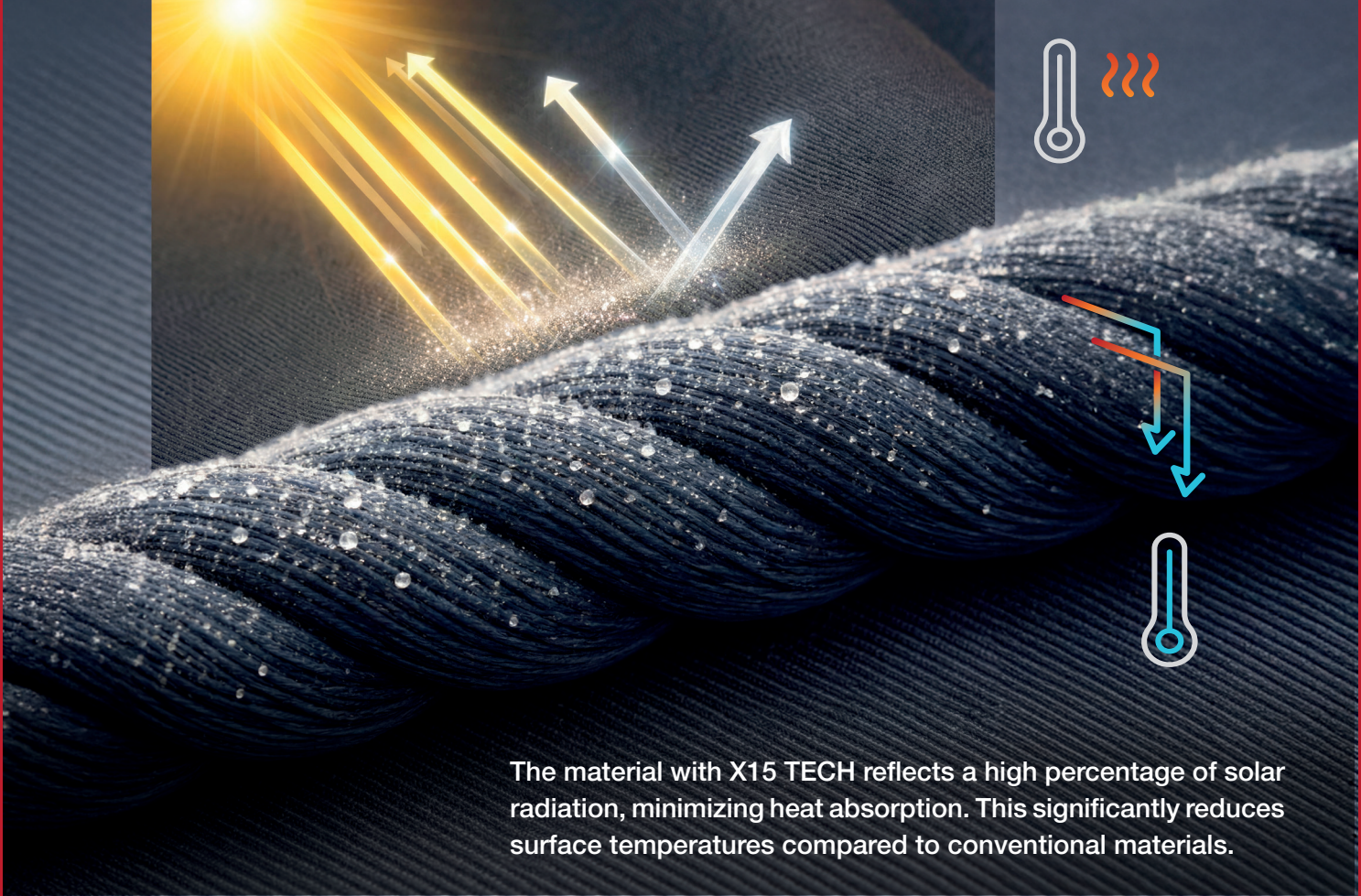
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An eco-friendly passive cooling product that reduces the effects of sun heat and lowers surface temperatures. Its working principle is based on the reflection of sun rays, allowing it to reflect most sunlight while efficiently dissipating heat as infrared radiation into the atmosphere.

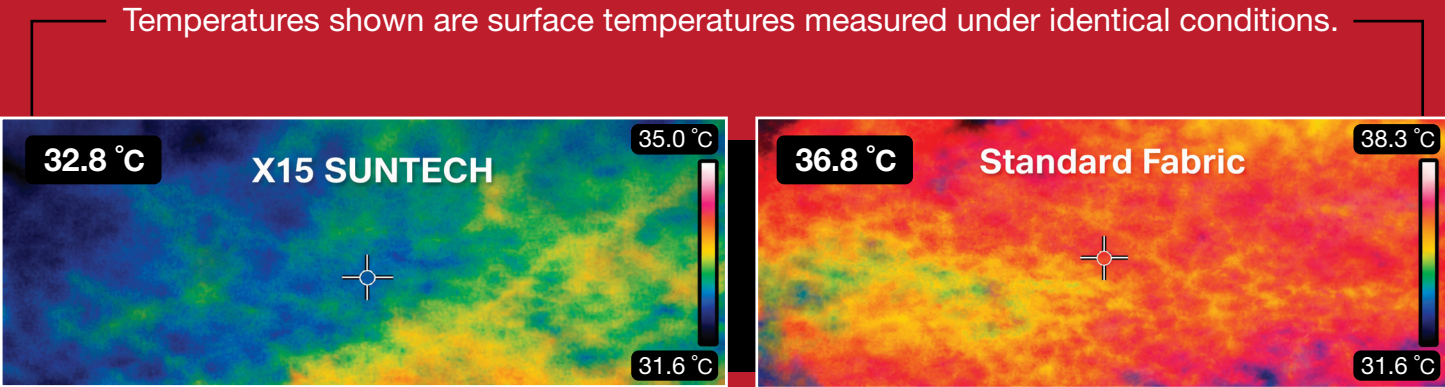
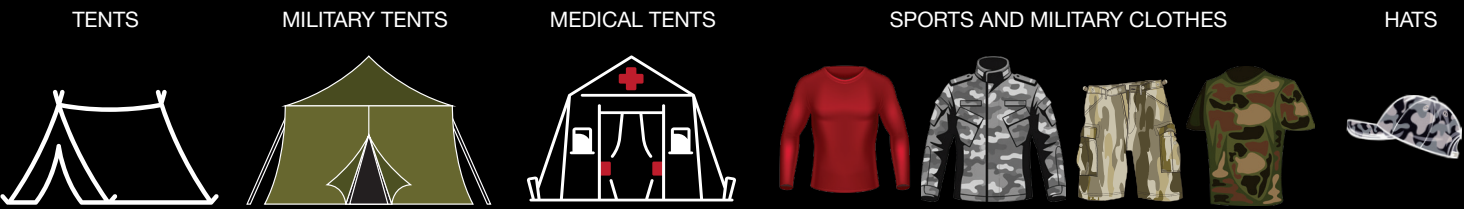
The technology enhances infrared radiation (heat emission), allowing surfaces to release absorbed heat efficiently, even under direct sunlight.

Material Composition: It can be used on any yarn material that provides sub-ambient cooling, lowering temperatures by up to 20°C below the surrounding conditions.

Other formulations may incorporate multilayer graphene or polymer films to optimize cooling performance. Passive operation does not require electricity, making it a sustainable solution for urban heat. Any material can be used in this process.



The material with X15 TECH reflects a high percentage of solar radiation, minimizing heat absorption. This significantly reduces surface temperatures compared to conventional materials.



Embedded in crystalline-treated fibers

Aesthetic appeal: When used for clothing, it is important to highlight that this fabric is not only functional but also aesthetically appealing. It comes in a variety of colors, textures, and designs, allowing people to look fashionable while still being protected from the sun.

