



## Fourth Element J2 Baselayer Trousers

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### EXTENDED BASELAYER PERFORMANCE

Baselayer protection for extended range diving. Developed using antimicrobial silver ion treatments, this fabric was tested in the extreme environments of the J2 cave system, one of the deepest in the world. It is stretchy, warm, and won't let you down.

With excellent anti-microbial performance thanks to the use of silver ion technology, and outstanding wicking from a unique fabric, the J2 baselayer is designed for extended use under a drysuit.

Keeping the skin dry can be critical to success, whether it is staying warm, or preventing infections. The J2 baselayer was designed to wick perspiration away from the skin and maintain a dry zone next to the skin. Air is a better insulator than water and consequently, the baselayer ensures better thermal protection.

The J2 baselayer system takes this performance further with tried and tested anti-microbial silver ions embedded within the fibres of the fabric. This enables long, repetitive wear without the risk of skin infections developing - something which was critical on the US Deep Caving Team's 2013 expedition to explore the Cheve cave system in Mexico, for which the J2 was specifically developed.

The J2 wicking performance also comes into its own when the fabric gets wet. Water is wicked away from the skin, and with the right combination of drysuit underwear, further away through the fibres of the undersuit. Even in the event of a suit flood, the J2 will retain some of its performance.

Silver ions are incorporated into the fibres when they are manufactured, ensuring that the bacteriostatic and anti-fungal properties of the fabric last. This cannot be washed off. The silver ions prevent the formation of bacterial cell membranes, preventing most bacteria from growing in the fibres of the garment. However, this will not adversely affect the naturally occurring bacteria on the skin itself.

"Thanks again for all your support. Your products saved our lives, I spent three weeks in a row once, 24h/day without any problems during [the 2013] expedition."  
Marcin Gala - lead diver on the 2009 and 2013 J2 expedition.

"The performance was unbelievable"

Phil Short - lead diver on the 2013 J2

"It's really a wonderful thing when a promising article of gear (or clothing) lives up to, and exceeds its expectations."

Bill Stone - expedition leader.

Developed for J2 caving expedition

Tested for 19 days, 24 hours a day

Anti-microbial silver ion technology

Lightweight and compact

Fast wicking extreme performance Perfect for extended  
drysuit diving expedition

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