



Water-repellent down insulation.

Q.Shield™ DOWN is a giant leap forward in down performance. Down fibers are infused with a permanent water repellency that helps maintain their loft and insulating performance even when exposed to moisture.

Q.Shield Down has two applications for outdoor athletes:

One: Down is less susceptible to compromise from external moisture. Down jackets and sleeping bags will not lose all their loft and insulating value when exposed to precipitation, condensation from tent walls or other external sources of moisture.

Two: Down insulation in jackets and sleeping bags will not water-load from moisture generated by the user's body.

In winter mountaineering conditions, down sleeping bags become less effective over days of use. Traditional down absorbs body moisture from the user during the night. Because the freezing temperatures won't allow this moisture to evaporate during the day, the insulation absorbs increasingly more water, losing loft and insulating value. Q.Shield Down solves this problem by preventing the down from absorbing body moisture.



Regular down absorbs water, clumps up and loses loft. Q.Shield™ Down repels water, resists clumping and maintains insulating loft.