

CLIMASHIELD's Advantages over short fiber insulations:

1. **Continous Filament** - one strong yarn; not short fibers which make a bulk after washing or make migration (especially when we have few layers of insulation). Please see the animation:

<http://climashield.com/militarytechnology>

2. **20% lower weight** to achieve same thermal comfort level. It means you can save weight in final garment. At given weight Climashield is every time warmer than premium cut staple insulation on the market

3. **Resistance to compression (in other words recovery of the loft)**

= very durable when used + can be washed many times and the loft and thermal comfort is still at the same level.

Climashield's loft is much higher than short fiber insulation after many washings or prolonged storage/compression. Climashield's loft stays in 90-95% of its original.

It is a very important factor as we know that loft creates warmth and acts as a better insulator against cold.

4. Climashield volume is around 8% bigger than the premium short fiber, but please check point no. Eventually the volume is **lower!**

5. As the only insulation on the market Climashield passed the army test of **at least 20 launderings**. The parameters and functionality of the bag rest on the same level! The life-cycle of the sleeping bag is longer.

6. **Aqua Ban Technology** = you stay dry and warm even in wet conditions. Climashield provides warmth when wet. Wet clo = 85% dry clo.

Aqua Ban **reduces drying time** by 20%. It also **reduces** by 20% the moisture absorption.

Please see the animation:

<http://climashield.com/militaryaquaban>

7. **You spend less money in the production process** - no need of scrim, no need of downproof fabrics, easy to laminate, no need for quilting. The construction of continuous filament insulation is stable. The continuous filament fibers do not migrate vertically or horizontally.

As no quilting is needed you can achieve design performance which you want.

8. Climashield is the **only supplier** of insulation for sleeping bags for U.S. army. These are millions of bags over last years and the company is undergoing contract.

9. Climashield is the **unique technology** of insulation on the market