



COMFORT
& WARMTH
MADE
POSSIBLE

Extended Cold Weather Clothing System (ECWCS) Generation III

Polartec® Power Dry®

- Superior wicking action
- Keeps your skin dry when you sweat
- Highly breathable
- Dries quickly
- Comfortable next-to-skin
- Machine washable

Polartec® Thermal Pro®

- Distinctive surface textures
- Warmth without weight
- Highly breathable
- Dries quickly
- Machine washable
- Versatile use

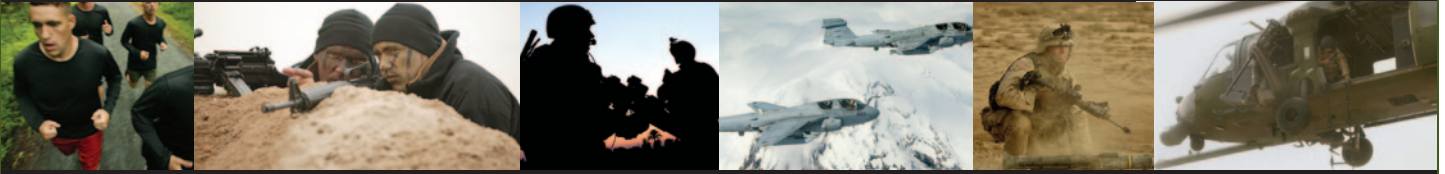
The 3rd Generation of the Army's Extended Cold Weather Clothing System (ECWCS) is a radical re-design of the cold weather clothing system for the U.S. Army. ECWCS GEN III features seven new layers of insulation including three Polartec® fabrics: two layers of Polartec® Power Dry® and a layer of Polartec® Thermal Pro® High Loft. The ECWCS system is currently being fielded.

Compared to ECWCS GEN II, GEN III offers a systems approach for clothing design each piece fits and functions either alone or when used in the system to provide the most options for the soldier. The two layers of Polartec® Power Dry® are highly breathable and wick sweat away from the skin. The layer of Polartec® Thermal Pro® High Loft provides warmth without weight and bulk, offering exceptional compressibility (requires one-third less space in a rucksack). When used in combination with other layers, the ECWCS system will provide protection between 60° F and -40° F (15° and -40° C).



The introduction of GEN III would not have been possible without the vision of PM soldier in Ft. Belvoir, VA and U.S. Army Natick Soldier Center in Natick, MA. The developmental partnership between Polartec, LLC, PM Soldier and Natick is ensuring that our soldiers have the best available products to complete their mission.

The ECWCS Gen III garments can be purchased from ADS Tactical. Visit www.adstactical.com for more information.



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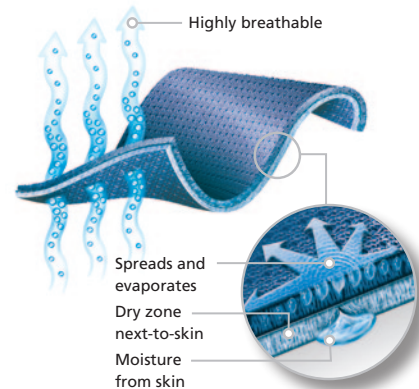
How Does It Work?

Moisture and high relative humidity next to the skin causes discomfort. Polartec® Power Dry® keeps the skin dry through three complimentary mechanisms:

1. The fabric is highly breathable and does not restrict the movement of moisture vapor.
2. "Touch points" on the fabric's inner surface draw off the sweat. Sweat is wicked off the skin to the outside of the fabric where it spreads rapidly for evaporation. Polartec® Power Dry® fabrics move at least 30% more moisture away from the skin than single component fabrics.
3. When the sweat reaches the outside of the fabric, it spreads out to many times its original surface area, enabling it to dry at least 2 times faster than cotton.

Technical Highlights

- Patented bi-component construction keeps your skin dry when you sweat
- Highly breathable to provide comfort in all activities; does not restrict the movement of moisture vapor
- Dries quickly
- Provides very good sun protection (UPF 15) in most styles
- Soft surface next to skin provides all-day comfort
- Machine washable
- Provides good sun protection (UPF 15) in most styles



Polartec® Thermal Pro®

How Does It Work?

The 100% polyester proprietary fibers and high-pile-velour surface create a fabric that is at least 30 times more durable than bargain fleece. These fabrics offer excellent breathability and dry quickly. The velour back traps air to retain body heat, providing outstanding warmth without weight. Unlike conventional fleece fabrics, Polartec® Thermal Pro® fabrics maintain their insulating ability and non-pilling appearance after repeated laundering and represent the state of the art in fleece fabrics.

Technical Highlights

- Distinctive surface textures and patterns provide great styling options
- Provides warmth without the weight and bulk of traditional insulating fabrics
- Highly breathable to provide comfort in all activities; does not restrict the movement of moisture vapor
- For water repellent styles, surface sheds rain and snow
- Dries quickly to minimize heat loss
- Machine washable
- Versatile; appropriate for a broad range of activities

