

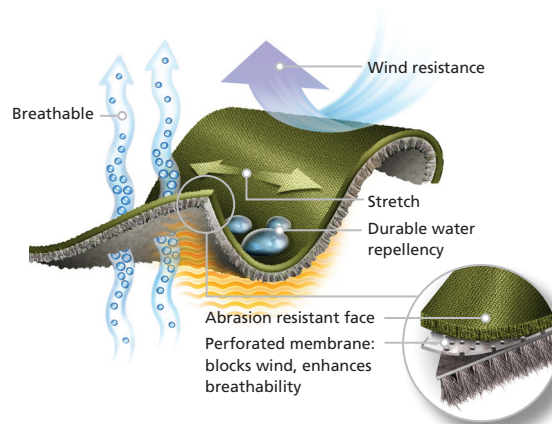


# SHELTER MADE POSSIBLE

## Polartec® Power Shield® O<sub>2</sub>™

Polartec® Power Shield O<sub>2</sub>™ fabrics are the result of our ability to precisely control airflow through a fabric and optimize performance based on specific criteria. Polartec® Power Shield O<sub>2</sub>™ fabrics build upon the Polartec® Power Shield® platform but are modified to allow even greater airflow for more aerobic activities and even use as a mid layer.

**Ideal Uses:** Polartec® Power Shield O<sub>2</sub>™ fabrics are ideal for skiing, snowboarding, winter climbing, and back-country trekking. They are used in jackets, pants, bibs, hats, and gloves. It's the outerwear that gets worn, not carried.



### How does it work?

Polartec® Power Shield O<sub>2</sub>™ fabrics feature a smooth, tightly woven face for abrasion resistance equal or superior to the best shells, but without the stiffness and noise. A polyester velour back traps air and provides a high warmth-to-weight ratio.

The perforated membrane enables the fabric to block 96% of the wind. The remaining 4% is allowed to circulate within the fabric, which greatly enhances moisture vapor transmission – 2 times faster than other waterproof breathable shells – and improves breathability, reducing the risk of heat stress buildup.

All Polartec® Power Shield O<sub>2</sub>™ fabrics are finished with a durable water repellent (DWR) to shed rain and snow. All versions feature spandex or mechanical stretch for freedom of movement.

Garments made from Polartec® Power Shield O<sub>2</sub>™ fabrics are designed to replace traditional fleece and shell systems for most outdoor clothing applications, reducing the weight and number of layers needed to insulate and protect.

#### Wind blocked at 30 mph (50 Km/h)\*

Polartec® Power Shield O <sub>2</sub> ™ 40 CFM (180 l/m <sup>2</sup> /s)	
Fleece 250 CFM (1000 l/m <sup>2</sup> /s)	Windproof Shell 0 CFM (0 l/m <sup>2</sup> /s)

\*Lower cfm values mean greater capability to block wind. Cfm values are ft<sup>3</sup>/ft<sup>2</sup>/min. measured by ASTM D737 with vacuum settings mathematically equivalent to 30mph wind. Conversion to l/m<sup>2</sup>/s (liters/meter<sup>2</sup>/second) also provided per ISO 7207.

### Technical Highlights

- Blocks 96% of wind
- Highly wind resistant yet allows enough air to circulate to keep you from overheating
- Highly breathable; relieves heat stress buildup during action sports
- Water repellent surface sheds rain and snow
- Extremely abrasion resistant face for long lasting durability; fabric maintains its form and function regardless of abrasive contact
- Stretch for active comfort
- Creates less noise than a traditional shell
- Provides warmth without the weight and bulk of traditional insulating fabrics
- Machine washable

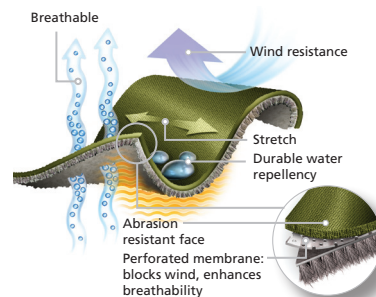


## Polartec® Power Shield® O2™

Polartec® Power Shield O2™ is designed to allow precise airflow—in this case, more air flow than traditional Polartec® Power Shield®.

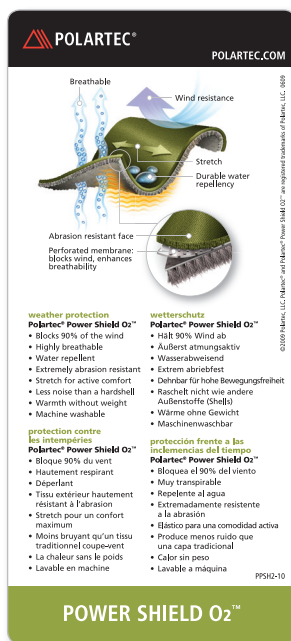
- Optimized wind resistance and breathability for high output activity
- Greater layering versatility

- Blocks 96% of the wind
- Highly breathable
- Water repellent
- Extremely abrasion resistant
- Stretch for active comfort
- Less noise than a hardshell
- Warmth without weight
- Machine washable



## Hang Tags

Garment and Accessory tags are available with this fabric.



PPSH2-10

## Technologies

Technology hang tags are available with this fabric.



PHFTEC-10



PECOREC-10

## Woven labels

Flat and loop woven labels are available with this fabric.



PLPPSH2F-10



PLPPSH2V-10



PLPPSH2S-10