

porelle[®] for sport and leisure gloves

inserts

Porelle Inserts

Porelle inserts have been designed specifically for the demanding requirements of sports and leisure accessories. They have been extensively used by leading manufacturers of:

- **Ski gloves**
- **Snow-boarding gloves**
- **Cold weather gloves**
- **Cycling gloves**
- **Motorbike gloves**
- **Hunting gloves**
- **Equestrian gloves**
- **Leather gloves**

Insert Technology in gloves

An insert is used in the construction of a waterproof glove, sandwiched between the outer layer and the lining. Inserts are vital to the performance of the glove, providing added levels of protection against the weather elements thus ensuring that the user's hands remain dry, warm and comfortable.

However, many inserts used in gloves are constructed with solid barriers that often have low levels of breathability. For the user this means that moisture can build-up in the glove due to sweat that cannot escape. When the user is active this can result in the hands becoming clammy and, as they cool down, feeling cold and wet. Over time the glove can also begin to develop an odour that can impart to the user's hands after they have been worn. This is due to the presence of bacteria that eats sweat and excretes waste that produces a strong odour.

Porelle inserts are **extremely waterproof, windproof and highly breathable**. The breathability ensures that sweat can escape and does not remain trapped in the glove. Wind, rain or snow Porelle inserts

offer the optimum in glove comfort performance

Porelle inserts are **soft and flexible** so they are quiet in use. They can be fitted into a glove with ease and do not limit the tactility or dexterity of the glove design.

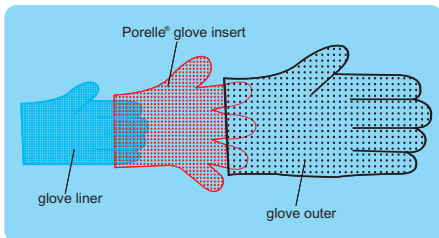
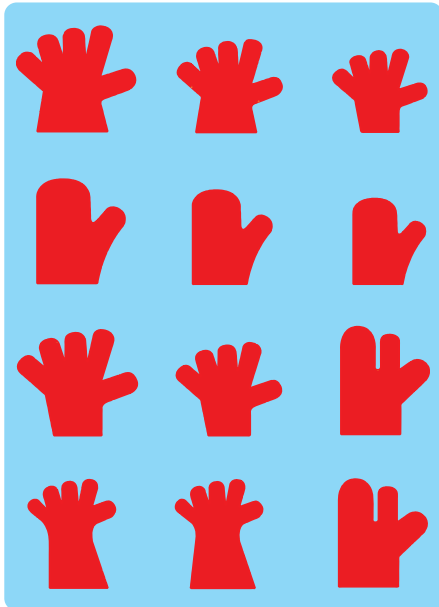
Porelle insert technology range

There are two leading brands available:



Porelle Sport inserts are based on a 25 µm solid hydrophilic film that is one of the most breathable barriers available for sports and leisure gloves. It breathes by absorbing and dissipating sweat through the diffusion of water vapour molecules across the solid structure. In testing Porelle Sport inserts achieve breathability levels in excess of 15,000 g/m²/hr on test method ASTM E96: 95 procedure BW.

Porelle Dry inserts are based on a unique 55 µm microporous film that does not swell when it absorbs moisture. It breathes by allowing the passage of water vapour molecules through interconnecting micropores < 1 µm in diameter. Porelle Dry offers excellent breathability, but remains dry feel and non-clammy in use due to its non-swell capability, offering higher levels of comfort.



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sport

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dry

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