

porelle[®] for technical gloves

inserts

Porelle Glove Inserts

Porelle inserts have been designed specifically for use in technical gloves. They have been extensively used by leading manufacturers in:

- **Fire-fighters gloves**
- **Search & Rescue/Extrication gloves**
- **Police Crowd Control Riot gloves**
- **Police Motorbike gloves**
- **Military Combat**
- **Military Cold and Weather gloves**

Technical Gloves

The user requirements of a technical glove have to be met by a balance of competing design parameters. The glove must not restrict the wearers ability to perform a series of complex tasks, but at the same time must provide high levels of protection against a number of potential hazards, as well as maintaining wearer comfort in use. A glove insert is used in the construction of a technical glove, sandwiched between the outer layer and the inner liner. The insert is vital to glove performance providing:

- **Waterproofness**
- **Breathable**
- **Blood borne pathogen resistance**
- **Viral protection**
- **Chemical protection**

Porelle inserts have been developed with glove performance in mind. They have been developed to meet the competing design parameters by offering insert technologies that are:

- **Light and Flexible** - so as not to limit the dexterity or tactility of the gloves.
- **Tailored Shapes** - insert shapes can be readily tailored specifically to the 3-D design requirements of the glove to give improved fit and dexterity.
- **Ease of Use** - Designed to be integrated into the glove without tendency to pull-out or slip when in use.
- **Offer protection** - Porelle inserts have been developed with a range of additional performance benefits that include: waterproofness, chemical resistance (to a range of petrochemicals, acids and alkalis), viral and blood borne pathogen resistance and flame resistance.

International Standards

When used in technical gloves, Porelle glove inserts are compliant with the performance requirements of international standards. Key standards include :

- **Liquid Penetration resistance** - Porelle inserts are compliant with requirements for resistance to chemicals as specified in ASTM F903 and EN 368.
- **Viral Penetration resistance** - Porelle inserts are compliant with the requirements for resistance to viral and blood borne pathogens as specified ASTM F1671.
- **Durable** - Porelle inserts are very durable during use and when donned and doffed, significantly exceeding liner retention test requirements specified in the NFPA 1971:2007 edition.
- **International Glove Standards** - Fully compliant with NFPA 1971: 2007 and EN 659: 2003 standards.



waterproof



chemical resistant



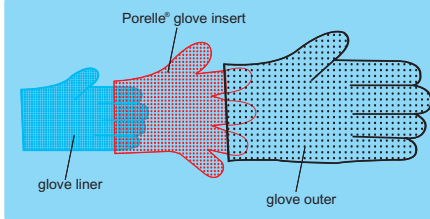
viral resistant



breathable



durable



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