

FLEXIBLE LAYERING SYSTEM: CRITICAL PROTECTION FOR EVERY ENVIRONMENT

The GORE-TEX Professional Riot Collection offers a flexible and modular system for year round protection across a broad range of environments and conditions. It offers a choice of different flame-retardant protective solutions designed to meet their specific operational needs.

The unique Collection provides protection from flash fires and petrol bombs utilising PYRAD® technology in all the different layers of clothing that are worn to meet varied operational environments.

Enhanced levels of comfort are achieved without compromising the high-performance protection that is critical to public order policing. Rather than the discomfort of working outside in heavy cumbersome gear in bad weather, with the GORE-TEX Professional Riot Collection officers can now work without being too wet, hot or cold, allowing them to focus on the job at hand for longer.

GORE-TEX PROFESSIONAL RIOT COLLECTION OFFERS:

- ◆ A new **Daily Duty Uniform (DDU)** combines lightweight, highly breathable comfort with flame retardance. It can be worn daily as uniform or as a base layer underneath a riot suit and has very low water pick up, with fast redry for everyday comfort.
- ◆ The **Hard Shell** and the **Insulated Riot Suit** are lightweight, breathable and comfortable while still protecting the wearer from rain, liquids, chemicals. All solutions offer flash fire protection. Additional insulated versions of the Riot Suit are available to officers for use in colder months.
- ◆ The option to include Gore's unique flame-retardant **GORE-TEX Stretch Technology** for additional freedom of movement and smart fit to the Riot Suit.



GORE-TEX
BRAND

THE FLEXIBLE LAYERING SYSTEM FOR RIOT POLICE

LAYER 1: DAILY DUTY UNIFORM (DDU)



VALID FOR ALL COMPONENTS OF THE FLEXIBLE LAYERING SYSTEM:

- ◆ Reliable FR protection
- ◆ Flexible and more comfortable
- ◆ Low water pick up and quick redry
- ◆ High mechanical stability
- ◆ Wide colour availability

LAYER 2: INSULATED RIOT SUIT



LAYER 3: HARD SHELL RIOT SUIT



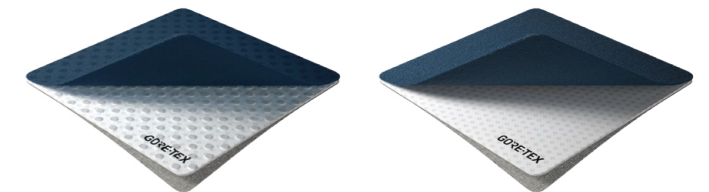
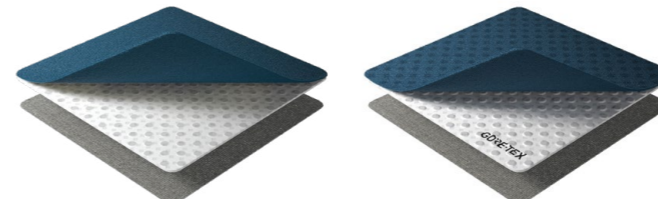
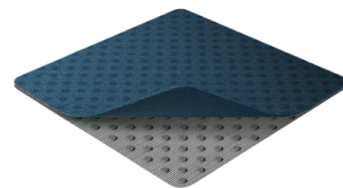
Optional with stretch 

Optional with stretch 

2-layer, without membrane

2-layer, with insulation and Liner

3-layer



PYRAD® technology by GORE-TEX LABS

- ◆ Ideal for everyday use
- ◆ High air permeability
- ◆ Softer for more comfort daily
- ◆ Sticks less to skin when wet

PYRAD® WINDSTOPPER® and GORE-TEX PYRAD® fabric

- ◆ Ideal for cooler conditions
- ◆ Windproof & breathable
- ◆ Available with FR stretch panels

only with GORE-TEX fabric
+ Water & liquid proof
+ Chemical resistant

GORE-TEX PYRAD® or GORE-TEX FR aramid laminate

- ◆ Ideal for all weather conditions
- ◆ Water & liquid proof
- ◆ Chemical resistant
- ◆ Windproof & highly breathable
- ◆ Available with FR stretch panels



The flexible layering system is tailored to provide protection in each layer of clothing so that they work together as a comprehensive system. The operational environment will determine the most appropriate choice of layers for optimum comfort and protection.

KEY BENEFITS

Flexibility of Choice

Police Forces can now procure their protective gear to meet their own specific operational needs, rather than continuing to rely on generic garments that likely sacrifice comfort or performance. The flexible layering system provides reliable protection in across a range of conditions. The different layers work separately or together.

Flame Resistance

Every layer of the Collection comes with inbuilt protection from sudden exposure to flames. The PYRAD® technology allows the application of non-FR textiles and combines flame-retardant characteristics with the benefits of non-FR materials. All FR materials fulfill horizontal flame acc. to EN ISO 15025-A and the Pyroman Test is applied to ensure system level performance of all laminates.

Freedom of Movement

All the fabrics in the Collection are lightweight, offering excellent comfort and freedom of movement. But the addition of GORE-TEX Stretch Technology enhances that freedom, allowing greater agility in a range of scenarios. The stretch and high recovery in the panels also adapts to the use of additional layers of equipment such as ballistic vests, maintaining comfort levels for the wearer.

Insulation for Cold Weather

Police officers have to work outside in every conceivable type of weather. For the colder months, the Collection includes options for insulated versions using body mapping to ensure that it is only added where needed for warmth, reducing unnecessary bulk in garments.

Reduces Risk of Heat Stress

Wearing heavy body armor and equipment at a protracted incident in hot weather significantly increases the risks of heat stress for officers. The Riot Suit fabrics are also lightweight and highly breathable allowing warm air generated inside the garment to move out through the garment easier, keeping the wearer cooler for longer.

Weather and Chemical Penetration Protection

The Riot suits are waterproof and breathable, providing protection in all weathers and maintaining high levels of comfort. The wearer is kept dry from the outside while moving sweat out through the garment to keep them dry from the inside as well. If GORE-TEX membranes are integrated into the system the garment offers durable penetration resistance against commonly occurring chemicals.

Durable Abrasion Resistance

Protective clothing for police officers must withstand some of the harshest treatment during operations. All the fabrics in the range are highly durable and designed specifically to withstand the rigours of operational deployment in challenging environments with high abrasion resistance so that they maintain performance levels throughout their operational lifetime.

Choice of Colours

Police forces have the flexibility of choice in a range of colours that allows them to procure garments to meet their own corporate identity needs.

