LIGHTWEIGHT, FLEXIBLE, MORE COMFORTABLE, FLAME RETARDANT

THE NEW GORE-TEX PYRAD® RIOT SUITS

Riot police are burdened with wearing heavy protective equipment during long shifts in every kind of weather. Introducing the new GORE-TEX PYRAD® riot garments: they are designed using more flexible polyamide-based laminates designed to enhance their comfort. It provides protection from inclement weather and also absorbs less water so that it remains lighter and drier which further enhances wearer comfort significantly compared to traditional solutions.

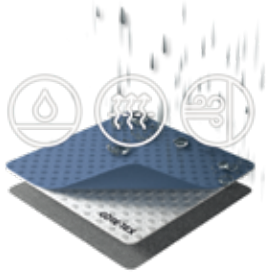
GORE-TEX PYRAD® laminates are very robust and thus very durable with higher abrasion resistance and almost no pilling to withstand the rigors of duty. In addition to providing liquid protection, GORE-TEX PYRAD® riot garments also provide durable and reliable protection from incidental or sudden heat, flash fire and from penetration of common chemicals, such as molotov cocktails, which riot police can also face.

KEY BENEFITS

- Lightweight, less stiff and more flexible for enhanced comfort
- Low water pickup and fast dry out time
- Robust with high abrasion resistance and almost no pilling
- Protection against Flame – Method of test for limited flame spread (EN ISO 15025, method A meeting Index 3 acc. EN ISO 14116 section 7.3)
- Material remains intact and does not break open after flame contact
- Protection against liquid chemicals (EN ISO 6530)
- Durably waterproof and windproof protection and high breathability as for all GORE-TEX products
- Wide range of colour availability and colour fastness for good uniform matching

High abrasion resistance in Martindale testing

In a test, a prototype GORE-TEX PYRAD® suit (3L) was exposed for 4 seconds @84 kW/m² to flame. There was no evidence of dripping or melting. The material stayed flexible and was easily removed without breaking open. There was no sign of damage to the garments underneath.



Material and garment construction are durably waterproof, windproof and highly breathable, as proven by rain tower test (EN 14360) with new and home laundried garments (EN ISO 6330, 60 °C).

Laminate forms stable char to protect the wearer when exposed to flame. The physical integrity of the laminate and seam is maintained after heat and flame exposure, even when flexed, which offers additional wearer protection.

Gore conducted fitness for use testing in a controlled environment using professional stuntpeople and pyrotechnicians for research and development purposes. The technology proved to provide protection in conditions simulated to reenact dangers posed during actual riot police situations.