

**The only GORE-TEX®  
police duty footwear  
with 360° breathability**



**GORE-TEX®**  
PRODUCTS

**GORE**

Police duty footwear is frequently worn all day long, in all weather conditions, and for all levels of activity. So, what wearers are looking for is a high degree of breathability to ensure that any excess heat and moisture produced inside the shoe can escape as quickly as possible. The GORE-TEX® SURROUND® product technology – a footwear technology that is already well established in the mountain sports and casual sectors – means that police duty footwear can now feature 360° climate comfort.

#### **360° climate comfort for your feet**

The innovative GORE-TEX® SURROUND® product technology allows police duty footwear to combine all-around breathability with durable waterproofness and compliance with all the safety

requirements of EN ISO 20347:2012. The technology features special GORE-TEX® laminates integrated into both the upper and the sole of the shoe, completely surrounding the foot. The all-around breathable and waterproof upper construction is then attached to a special breathable sole structure.

Moisture and warmth produced by the foot are not only conducted out of the shoe via the upper, but also downwards – through the special GORE-TEX® laminate in the sole area – into a ventilation grid. From there they can escape through openings positioned at the side of the sole. Your feet stay dry and comfortable even at higher temperatures or during physically strenuous activities.

#### **Key features and benefits**

- 360° breathability for the highest level of climate comfort - even in warm weather and during periods of high activity
- Durably waterproof<sup>1</sup> - even after coming into contact with defined chemicals<sup>2</sup> (ISO 20811)
- Resistant to penetration of commonly occurring chemicals<sup>2</sup> in accordance with ISO 13994/ASTM F903, method C1
- Tested for safety and certified in accordance with EN ISO 20347:2012 for occupational footwear
- Long product life thanks to Gore's quality assurance standards

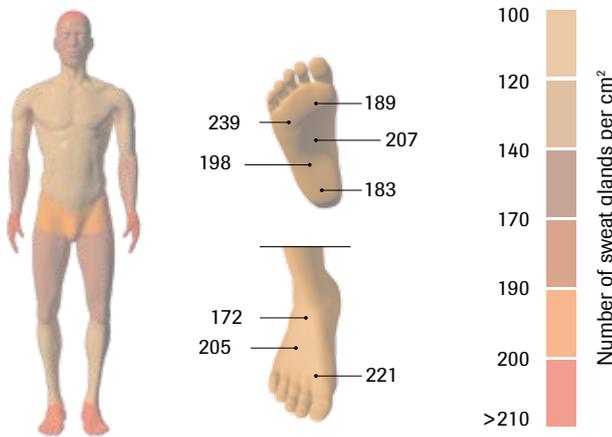
**GORE-TEX® SURROUND® Tactical Footwear for police forces**  
All-around breathable and durably waterproof

## Breathable all-around

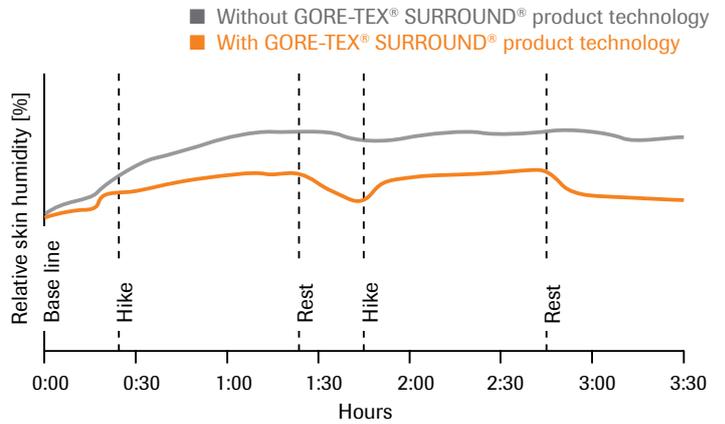
Police duty footwear is typically not breathable underneath the foot. The patented structure of the SURROUND® sole, including the use of a laminate underneath the foot, creates a larger area through which moisture can be moved away from the foot, increasing the overall breathability of the footwear. Sweat produced inside the shoe

can escape faster than ever before. So your feet feel dry and comfortable. **GORE-TEX® police duty footwear with SURROUND® product technology offers significantly more breathability than comparable GORE-TEX® Extended Comfort duty footwear.**

### Almost 1/3 of the sweat glands of the foot are on the sole



### Climate chamber tests reveal a significant reduction in relative skin humidity



Source: "Hiking Boots Study" Josef Stefan Institute, Biomed d.o.o. 02.2013

## Waterproof all-around

The durable waterproofness of GORE-TEX® police duty footwear with SURROUND® product technology is ensured by special GORE-TEX® lining laminates integrated into the upper and the sole of the shoe, completely surrounding the foot on all sides. The sole is then attached to the upper either using an injection moulded or cemented construction.

GORE-TEX® police duty footwear with SURROUND® product technology is durably waterproof<sup>1</sup>. It offers protection against penetration of commonly occurring chemicals<sup>2</sup> in accordance with ISO 13994/ASTM F 903, method C1.



## Visible innovation

GORE-TEX® SURROUND® Tactical Footwear is available with side sole openings and therefore with the newest of the SURROUND® product technology constructions. Thanks to the unique and innovative sole structure you can actually see the ventilation system at work, producing police duty footwear that offers the best combination of waterproofness and true 360° breathability.



<sup>1</sup> According to Gore's own standards, GORE-TEX® SURROUND® Tactical Footwear has to withstand at least 100,000 flex movements, which means 20 times more than defined in EN ISO 20344:2011

<sup>2</sup> Commonly occurring chemicals include AFFF fire-fighting foam (3%), sulphuric acid H<sub>2</sub>SO<sub>4</sub> (37%), diesel and caustic soda NaOH (30%)