



GOING FURTHER, TOGETHER

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GORE-TEX® BRAND INTRODUCES VISIONARY CONCEPT STUDY FOR NEXT-GENERATION COMBAT AND TACTICAL BOOTS

- BUILT WITH GORE-TEX® EXTRAGUARD PRODUCT TECHNOLOGY
- PROGRESSIVE DESIGN MERGES PROTECTION WITH SNEAKER-LIKE COMFORT AND SUSTAINABLE MANUFACTURING PRACTICES.

Putzbrunn, (6 November 2025) – The GORE-TEX® Brand, a global leader in high-performance waterproof, windproof, and breathable fabric technologies has unveiled concept study for the future of combat and safety footwear. The prototype highlights Gore’s commitment to ongoing research and development, exploring how innovative materials and construction methods can meet the demands of evolving mission profiles, harsher climates, and heightened comfort expectations. It exemplifies how performance, protection, and modern design can converge in a forward-thinking concept.

“Conventional tactical and combat boots made from leather are often heavy, uncomfortable and slow to dry when exposed to water or extreme climates. In contrast, our EXTRAGUARD Upper can help overcome limitations of traditional leather constructions, increasing comfort and protection,” says David Bastias, Strategic Marketing for Footwear at the GORE-TEX® Brand. “Adding the EXTRAGUARD Upper Technology offers extremely low water uptake, rapid re-dry, and consistent weight, under wet conditions while also delivering the robustness and element protection defense operations demand. This balance of comfort and durability marks a significant step forward in combat boot design for the benefit of the soldier or police, and also the footwear manufacturer.”

Advanced design for multi-terrain performance

At the heart of this vision lies the GORE-TEX® EXTRAGUARD Product Technology. It was developed precisely with these needs in mind. Supplied in roll form, EXTRAGUARD Upper can be cut into larger pattern pieces, reducing the number of seams and the need for taping and improving waterproof protection. This enables new construction methods and design freedom. to reduce pressure points in abrasion-prone areas such as the heel and shaft while enhancing durability. Inspired by sneaker design, the concept offers improved wearing comfort and a modern look, crucial for soldiers and service members who expect both performance and comfort in their footwear.

Sustainability and resource efficiency

These construction advantages also pave the way for more sustainable and efficient production methods. Supplied in roll form, the EXTRAGUARD Upper ensures consistent quality and reduces material waste. The constructions require fewer seams, so the overall amount of taping and sealing for water-proof construction and materials can be significantly reduced and simplifies manufacturing. At the same time, it enables a variety of design options such as PU casting, printing, debossing, welding, and stitch-free applications, providing footwear manufacturers with freedom in design and cost efficiencies.

"We are rethinking protection and performance for the modern soldier," says Rainer Geiger, Application Engineer at the GORE-TEX® Brand. "By combining maximum resilience with ultimate comfort and also embracing efficiency, we're demonstrating the potential of GORE-TEX® EXTRAGUARD Product Technology, and opening new pathways for brand partners to step into designing more innovative military and tactical footwear."

Gore revolutionized the outerwear industry with waterproof, breathable GORE-TEX® Fabric more than 40 years ago and remains a leading innovator of performance apparel. Gore fabrics products provide comfort and protection in challenging environments and in everyday life, enabling wearers to safely and confidently achieve and experience more. From hiking in downpours to military operations and fighting fires, Gore's deep understanding of consumer and industry needs drives development of products with meaningful performance advantages.

About Gore

W. L. Gore & Associates is a global materials science company dedicated to transforming industries and improving lives. Since 1958, Gore has solved complex technical challenges in demanding environments — from outer space to the world's highest peaks to the inner workings of the human body. With more than 13,000 Associates and a strong, team-oriented culture, Gore generates annual revenues of \$5 billion. gore.com

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