

Super lightweight and quick to dry: The GORE-TEX brand and HAIX present the first fire boots with the revolutionary EXTRAGUARD upper

- **Boots provide reliable protection against heat, flame, water, chemicals and pathogens**
- **New level of comfort and safety on the job**
- **Endurance test conducted by Munich's fire services delivers convincing results**

(Putzbrunn, 12 June 2025) – Firefighters and emergency responders are not only physically challenged when performing their duties, they also face the formidable challenges of heat, flame, water, chemicals and pathogens. Their protective clothing has to offer them effective protection without increasing these physical demands. EXTRAGUARD upper technology allows for a totally new class of firefighting boots that remain lightweight even when wet and dry quickly. The HAIX FIRE EAGLE 2.0 EXG is the first fire boot in the world to be brought to market with this innovative upper technology.

“Studies show that firefighters worldwide prefer lighter boots, which is exactly where our EXTRAGUARD upper technology comes in,” explains Johannes Krieg, product specialist at GORE-TEX Professional Fabrics. “In cooperation with HAIX we have developed a new generation of athletic fire boots that are taking comfort and safety on the job to the next level.”

Innovation on three layers

EXTRAGUARD upper technology is made of three functional layers: a highly abrasion-resistant and flame retardant outer protective layer, an insulating mid-layer offering protection against mechanical impact and an innovative low water absorption construction. The entire construction is seam-sealed with the tried and tested GORE-SEAM® Tape and combined with a GORE-TEX CROSSTECH® inner lining. The outcome: a boot that is durably waterproof, breathable and chemically resistant, protects against pathogens and is still very comfortable. FIRE EAGLE 2.0 EXG boots reliably protect wearers against heat and flame and comply with DIN EN15090:2012 as well as the requirements of F2A.

Wearer trial: Munich's fire services are convinced

A wearer trial conducted in cooperation with Munich's fire services showed the boots deliver what they promise. 22 firefighters tested the new fire boots for roughly 12 months during various fire service activities including technical rescue operations, fire incidents, severe weather events, and



emergency responses. 73% of the participants said the boots were “lightweight”, while 9% even thought they were “very lightweight”. The test boots also made a good impression when it came to re-dry: 73% said it was “good”, while 27% said it was “very good”. 91% of the firefighters said they would also continue wearing the boots during regular duties.

Revolutionary technology for real emergencies

The EXTRAGUARD upper is 40% lighter than conventional materials and hardly absorbs any moisture from the outside. This ensures that the HAIX FIRE EAGLE 2.0 EXG offers lasting lightness when worn for hours in wet conditions, dries faster and is durably waterproof even in extended periods of heavy water exposure. External moisture can hardly penetrate beyond the low water absorption construction layer, ensuring reduced conduction heat loss and preventing the feet from being robbed of warmth. Feet stay dry and warm, even in wet and cold conditions.

The HAIX FIRE EAGLE 2.0 EXG needs no breaking in and fits right from the start. There is hardly any need for additional reinforcements in the boot construction. This improves weight, breathability and wearer comfort. Its robustness minimises signs of wear and it is easy to clean: simply rinse the boots under the tap or hose them down. Specific care products are not necessary.

A long product life translates into sustainability

The EXTRAGUARD upper is extremely robust, thus extending the product life of the HAIX FIRE EAGLE 2.0 EXG firefighting boot, while reducing its ecological footprint. Using few resources and minimising CO2 emissions, the material also sets new standards in terms of its production.

HAIX FIRE EAGLE 2.0 EXG fire boots are immediately available for purchase from the HAIX website and from specialty retailers in UK sizes 2 to 11.5 (EU 35 to 47), as well as in extra large sizes 12 to 15.5 (EU 48 to 51).

Gore revolutionised the outerwear industry with waterproof, breathable GORE-TEX Fabric more than 40 years ago and remains a leading innovator of performance apparel. Gore fabrics 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 defence operations and fighting fires, Gore’s deep understanding of consumer and industry needs drives the development of products with meaningful performance advantages. gore-tex.com and goretexprofessional.com

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. (www.gore.com)

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