

SUPERLIGHT WEIGHT AND QUICK RE-DRYING PROTECTION

NEW GORE-TEX CROSSTECH® FIRE BOOTS
ENGINEERED WITH INNOVATIVE EXTRAGUARD
UPPER TECHNOLOGY

The new EXTRAGUARD upper technology has paved the way for the manufacture of a totally new class of GORE-TEX CROSSTECH® fire boots that combine the benefits of a highly robust upper material, such as leather, with the advantages of lightweight and breathable textiles. This footwear is extremely lightweight when dry. It also stays light when wet and is quick to dry. Another key feature of the innovative EXTRAGUARD upper material is its low carbon footprint.

The innovative EXTRAGUARD upper material is made of 3 layers:

- ◆ A highly abrasion-resistant and flame retardant protective layer
- ◆ A functional layer, providing insulation and physical protection
- ◆ An innovative low water absorption construction.

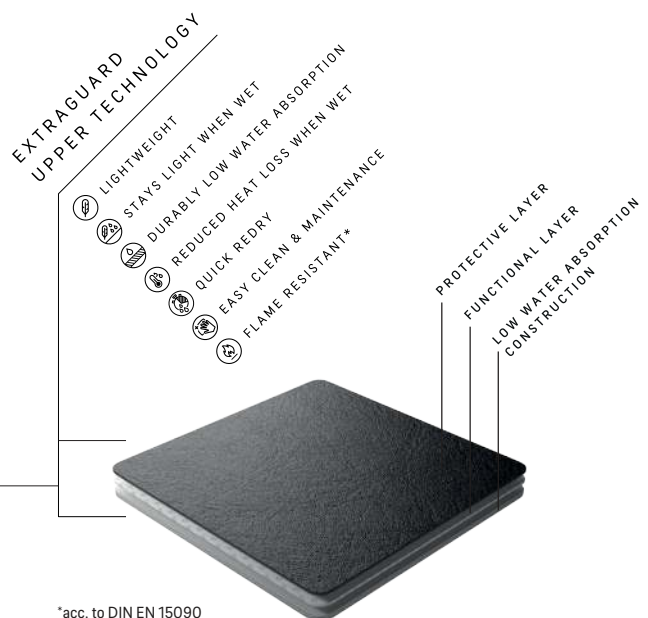
This 3-layer upper is sealed with GORE-SEAM® Tape and, together with the GORE-TEX CROSSTECH® lining, integrated into the fire boot. Seam sealing prevents moisture from making its way into the boot through the seams. The EXTRAGUARD upper technology ensures that GORE-TEX CROSSTECH® fire boots only absorb a minimal amount of water, even after months of extensive use and loss of the water repellent finish. They thus also retain their lightness when worn in extreme wet conditions for a long time.



Furthermore, the GORE-TEX CROSSTECH® lining ensures that the fire boots always remain waterproof and resistant to chemicals and pathogens even once the water repellent finish has worn off, or the upper material has been damaged.

IDEAL FOR:

- ◆ Structural firefighting
- ◆ Technical rescue
- ◆ Emergency medical services



*acc. to DIN EN 15090

PRODUCT BENEFITS



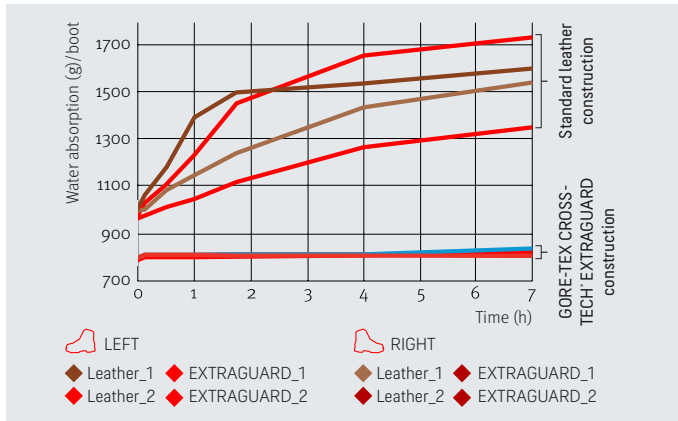
DURABLY WATERPROOF, BREATHABLE, CHEMICAL RESISTANT AND PROTECTION AGAINST BLOOD & BODY FLUIDS

The new GORE-TEX CROSSTECH® fire boots engineered with EXTRAGUARD upper technology are durably waterproof and breathable. They far exceed the requirements of EN ISO 20345. They act as a barrier against common chemicals. And they protect against viruses, bacteria found in blood and other body fluids (ASTM F 1671, ISO 16604, proc. C).



LIGHTWEIGHT, STAYS LIGHT WHEN WET

When dry, the abrasion resistant EXTRAGUARD upper material construction is 40 percent lighter* than leather. As GORE-TEX CROSSTECH® fire boots with EXTRAGUARD upper technology only absorb minimal moisture from the outside, they remain lightweight, even after constant wear in wet environments or once the water repellent finish has worn off.

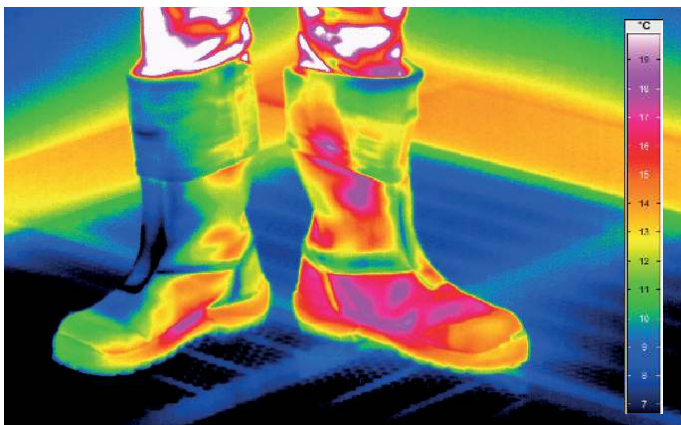


Compared with conventional fire boots, GORE-TEX CROSSTECH® EXTRAGUARD boots have very low water absorption, confirmed by the water bucket test.



REDUCED HEAT LOSS WHEN WET

Water from the outside only gets as far as the low water absorption construction of the EXTRAGUARD upper where it is prevented from penetrating further. This minimises conductive heat loss. Feet stay dry and comfortable, even in wet and cold conditions.



Conductive heat loss of a GORE-TEX CROSSTECH® EXTRAGUARD boot is considerably less than that of an identical leather version.



QUICK RE-DRY

GORE-TEX CROSSTECH® fire boots with EXTRAGUARD upper technology dry significantly faster than boots with standard upper materials.



COMFORTABLE RIGHT FROM THE START, EASY CLEAN & MAINTENANCE

GORE-TEX CROSSTECH® EXTRAGUARD fire boots are comfortable right from the start. They need no breaking in. They are easy to clean. The boots can be rinsed under the tap or hosed down. Specific care products are not necessary.



HEAT AND FLAME RETARDANT ACCORDING TO DIN EN 15090

GORE-TEX CROSSTECH® fire boots with EXTRAGUARD upper technology provide heat and flame protection in accordance with DIN EN 15090. If these boots are exposed to an open flame for 10 seconds according to DIN EN ISO 15025-A/ DIN EN 15090, no afterflame occurs. Furthermore, GORE-TEX CROSSTECH® EXTRAGUARD fire boots feature strong heat insulation properties in radiant heat tests carried out in accordance with DIN EN 15090. (In this test, upper samples are exposed to a heat flux density of 20 kW/m² for 40 seconds and the temperature increase on the back of the upper is measured.)

LOW ENVIRONMENTAL FOOTPRINT

Gore is committed to continuously improving the environmental impact of its products without compromising on durable performance.

The EXTRAGUARD upper is a great example as it is extremely robust, thereby prolonging product life. This is confirmed by a variety of tests carried out under laboratory and real-life conditions.

The material also sets new standards in terms of the low environmental impact of its production, using few resources and minimizing CO₂ emissions.

*Compared with full grain leather. Thickness measurement calculated in accordance with DIN 53326