



TEST BOOT: FIRE EAGLE 2.0 EXG FROM HAIX

# WEARER TRIAL WITH GORE-TEX CROSSTECH® EXTRAGUARD FIRE BOOTS

## DETAILS OF THE WEARER TRIAL

Wearer trial conducted by Gore in cooperation with Munich's fire services and footwear partner HAIX, Mainburg, Germany.

**March 2024 to March 2025:** As many as 22 firefighters tested the new GORE-TEX CROSSTECH® Fire Eagle 2.0 EXG fire boots engineered with innovative EXTRAGUARD upper technology for roughly 12 months in normal everyday use during firefighting and mixed duties. The majority of the trial participants (95 %) had previously worn different generations of the HAIX brand's Fire Eagle boot, all of which had been equipped with the proven GORE-TEX CROSSTECH® membrane.

**86% (19 of the 22) participants wore the test boots** at least 2 to 3 days a week for between 1 and 6 hours a day, slightly more often outdoors (57 %) than indoors (in buildings or vehicles).

The boots were tested during various fire service activities including technical rescue missions (e.g. road traffic accidents or storm incidents) or fire and severe weather incidents involving large amounts of water (e.g. flooding, heavy rain). They were also worn during emergency rescue operations.

At the end of the 12 month wearer trial feedback was collected through a questionnaire and the data analysed by Munich-based agency Hyve\*.

## RESULTS OF THE WEARER TRIAL

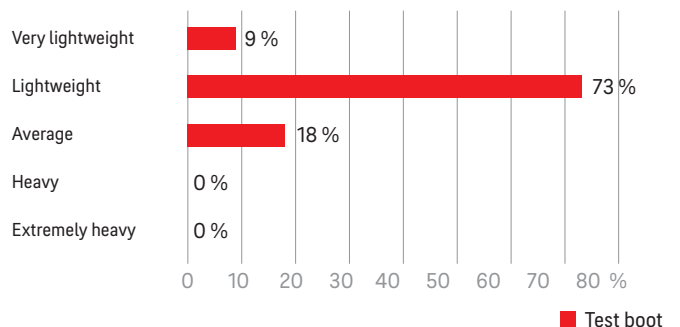
### WATERPROOFNESS

All of the participants confirmed that the test boots were totally waterproof.



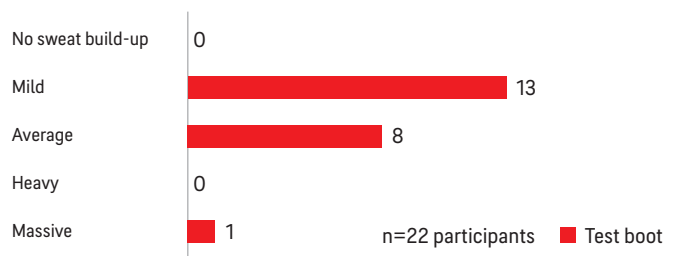
### WEIGHT

As far as weight was concerned, (when dry) the test boots were said to be better than the boots worn in the past. 73% said they were "lightweight", while 9% even thought they were "very lightweight".



### CLIMATE COMFORT

21 of the 22 participants (95 %) said that in the test boots they perceived only "mild" sweating or an "average" amount of sweating.



When compared with the boots worn in the past, the sweat build-up in the test boots was said to be "much better" (14 %) or "slightly better" (59 %).

*"Put them on and feel good"*  
*"The material sits well, fits well and feels good"*

# GORE-TEX CROSSTECH® EXTRAGUARD FIRE BOOTS



## GORE-TEX CROSSTECH® LINING TECHNOLOGY

- DURABLY WATERPROOF
- BREATHABLE
- CHEMICAL RESISTANT
- BLOOD BORNE AND VIRAL PATHOGEN PROTECTION



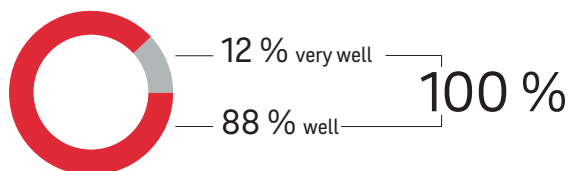
PROTECTIVE LAYER  
FUNCTIONAL LAYER  
LOW WATER ABSORPTION  
CONSTRUCTION

## EXTRAGUARD UPPER TECHNOLOGY

- LIGHTWEIGHT
- STAYS LIGHT WHEN WET
- DURABLY LOW WATER ABSORPTION
- REDUCED HEAT LOSS WHEN WET
- QUICK REDRY
- EASY CLEAN & MAINTENANCE
- FLAME RESISTANT\*

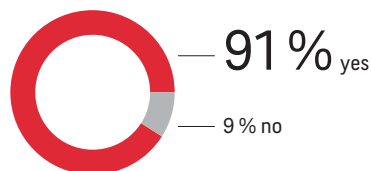
## INSULATION AGAINST HEAT

88% of the participants said the test boots insulated against heat “well” while 12 % even said “very well”.



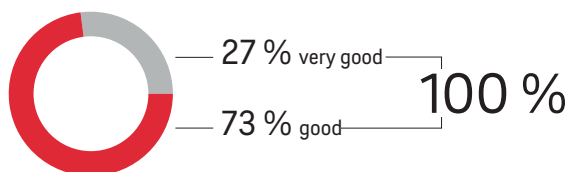
## FUTURE WEAR

20 of the 22 participants (91 %) said they would like to continue wearing the test boots during their regular duties.



## QUICK RE-DRY

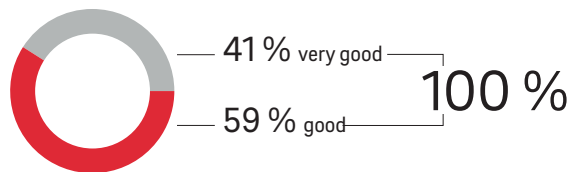
The test boots made a particularly good impression when it came to re-dry. 73% of the participants said it was “good”, while 27% even said it was “very good”.



Roughly 64% of the participants said they actually found the test boots “slightly better” or even “much better” than the footwear they had worn in the past.

## CARE / MAINTENANCE

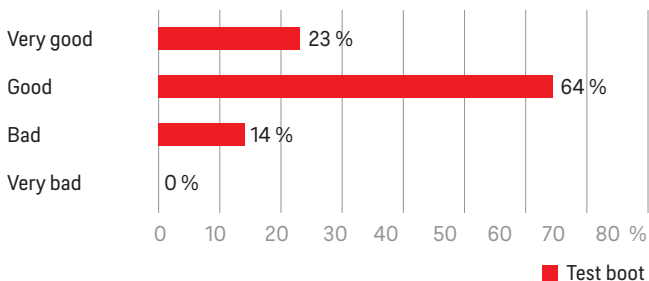
All of the participants were very satisfied with the care and maintenance of the test boots. 59 % of the participants said it was “good” while 41 % even considered it to be “very good”.



**OVERALL RECOMMENDATION:** 87 %

## ROBUSTNESS

The robustness of the upper material (in terms of wear and tear) was “good” according to 64 % of the participants and even “very good” according to 23 %.



All participants in the basic training tested the boots in the fire container and said they were “very good”.