



FOOTWEAR FOR FIREMEN

EN 15090:2012



SAFETY CATEGORIES

F1	Basic requirement 1
F2	Basic requirement 2
F3	Basic requirement 3
P	Penetration resistance
A	Antistatic properties
I	Insulating properties
CI	Cold insulation
CH	Resistance to chemicals
M	Footwear with metatarsal protection
AN	Footwear with malleolar protection

REQUIREMENTS FOR HEAT INSULATION

Measurement of temperature inside the footwear

Evaluation of footwear degradation

	Sand bath temperature	Duration	Temperature inside the footwear	Duration	Evaluation
HI₁	150 °C	30'	< 42 °C	30'	Compliance with annex B of EN 15090
HI₂	250 °C	10'		20'	
HI₃				40'	

Type 1	F1	Outdoor interventions, fire and wildland firefighting; no protection against penetration, no toe protection, no protection against chemical hazards.
Type 2	F2	All fire suppression and rescue interventions where protection against penetration and toe protection are needed, no protection against chemical hazards.
Type 3	F3	All fire suppression and rescue interventions where protection against penetration and toe protection are needed, including protection against chemical hazards.