

# FORESTRY FIREFIGHTER

## CLASSIFICATION:

II DESIGN D, Type 2, Class 3

## CATEGORY:

F2I HI2

## CONSTRUCTION:

Vulkanised hand built

## LAST:

5110

## MOULD:

Century 4000

## SIZE RANGE:

36-48

## ISO 17249 : 2004

Safety footwear with resistance to chain saw cutting

## EN 15090 : 2006

Footwear for firefighters

## ISO 20345 : 2004

Personal protective equipment – Safety footwear

## DIRECTIVE 89/686/EE



**81418**

Red/black rubber upper  
and black rubber sole



**81419**

Red/black rubber upper  
and black rubber sole



## REQUIREMENTS

### RESISTANCE TO CHAIN SAW CUTTING

### FLAME RESISTANCE

### RADIANT HEAT

### INSULATION AGAINST HEAT

### ELECTRICALLY INSULATING

### SLIP RESISTANCE

### IMPACT RESISTANCE

### COMPRESSION RESISTANCE

### PENETRATION RESISTANCE

### RESISTANCE TO HOT CONTACT

### RESISTANCE TO FUEL OIL

### ABRASION RESISTANCE

### FLEXING RESISTANCE

### LEAKPROOF

### SPECIFIC ERGONOMIC FEATURES

## REFERENCE

## SYMBOL

Class 3 - chain speed 28m/s; time 1s; no cut trough  
Protective area- Min. height 195mm; Min. width 140mm

CR

Shall neither flame for more than 2s (after - flame time )  
Nor glow more than 2s (after – glow time)

Radiant heat transfer index > 40s  
Heat flux density – 20kW/m<sup>2</sup> No changes

Level HI 2 - inside temperature of the footwear < 42°C after 10min / 250°C  
Footwear degradation after 20min / 250°C – no changes

HI 2

Class 0 - clearance (h) 40± 3 m; proof test voltage 5kV (leakage current for 3min); withstand test voltage 10kV (no puncture to occur)

I

Coefficient of friction -heel > 0,28; Flat > 0,32;  
Ceramic tile floor with sodium lauryl sulphate

SRC

Internal length – min. 40mm for N°43; Impact energy – 200J  
Min.clearance – 14,5mm for N°43; Not develop any cracks

T

Compression load – 15000N  
Min.clearance – 14,5mm for N°43

Test nail : diameter (4,50±0,05)mm,hardness-60HRC  
Speed nail (10 ± 3)mm/min; Force required to penetrate > 1 100N

P

T=300°C , t=60s; Shall not melt and shall not develop any cracks when bent around the mandrel

HRO

Volume increase < 12%; volume shrinks > 0,5%;  
Changes in hardness > 10Sh-A; cut growth < 6mm before 150 000 flex cycles

Volume loss < 250mm<sup>3</sup>

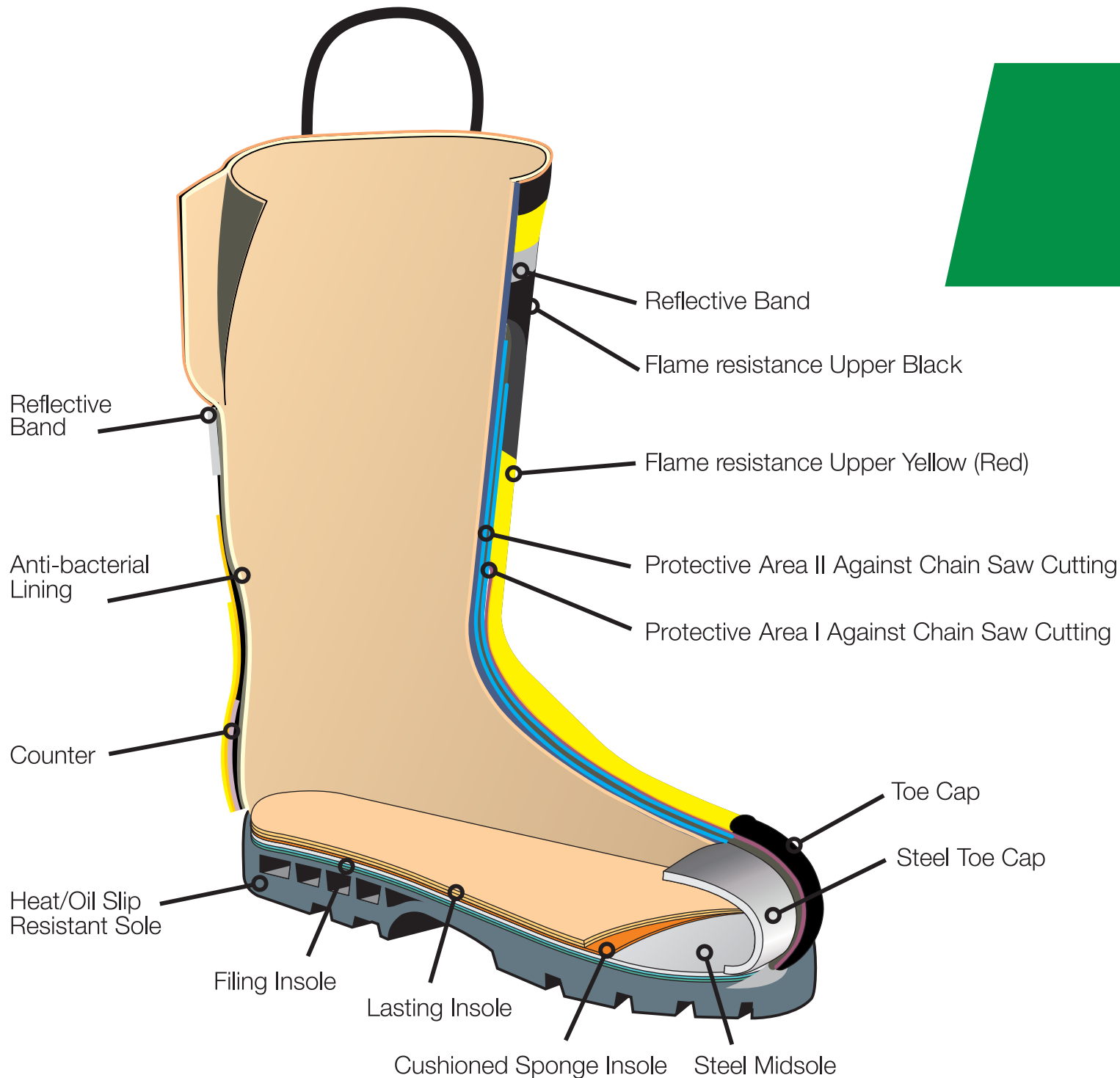
Upper – No cracking before 125 000 flex cycles  
Outsole – cut growth < 4,0mm before 30 000 flex cycles

Pressure (10 ± 1) kPa  
Time 30s; There shall be no leakage of air

- Walk normally for 5min at a speed of approx. 6km/h
- Climb and descend (17 ± 3) stairs for 1min
- Kneel / crouch down

Upon completion of tests questions relating to comfort and functionality of footwear are positive

# FORESTRY FIREFIGHTER



## 81419

Red/black rubber upper  
and black rubber sole

## 81418

Yellow/black rubber upper  
and black rubber sole

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