

HARVIK RUBBER INDUSTRIES SDN. BHD.



Technical Specification for Article 8687

Product : **Electrical Insulating Fireman Boot**

Colour	Black/ Yellow
Size range	Euro: 36 – 50 UK: 3½ - 14½ US: 4½ - 15½
Type of construction	Vulcanized Rubber Upper and Sole
Last/ Sole Pattern	PSV/ NJV
Recommendation	<ul style="list-style-type: none"> • Structural fire fighting • General fire rescue • Bush fire fighting
Compliance	<p>European Standard CE Approved – EN 15090 : 2006 (F2 IS HI3 P T CI) EN ISO 20345 : 2004 (SB P E CI SRA)</p> <p>Malaysian Standard Approved- MS 1599 : 1998 (SB P E HRO)</p> <p>Australia New Zealand Standard Approved- AS/NZS 4821 : 2006 (P E T I HI)</p> <p>F2 = Type 2 footwear for firefighters suitable for fire rescue, fire suppression, property conservation & etc. SB = Standard Basic Protection as per EN ISO 20345 / MS1599 IS = High Electrical Resistance Outsole HI₃ = Heat Insulation Level 3 CI = Cold Insulation SRA = Slip Resistance on ceramic tile with Sodium Lauryl Sulphate E = Heel Energy Absorption P = Penetration Resistance T = Toe Protection HRO = Resistant to heat contact</p>



CERTIFIED TO MS 1599:1998
SB P E HRO



MS ISO 9001:2000
REG No. AR 0142







MS ISO 14001:2004
REG No. ER 0269



MS 1599 : 1998
Cert. No. PH 011901



 <p>AS/NZS 4821 : 2006 PETIHI</p>   	<p>CSA Z195-02 / ASTM F 2413-05 Grade 1 Toe protection Penetration resistance 18 kV Electric Shock Resistance (ESR) protection</p>
<p>Lining Material</p>	<ul style="list-style-type: none"> • Extra comfort woven cotton canvas
<p>Upper construction</p>	<ul style="list-style-type: none"> • Flame retardant upper with heat insulation • Reinforced rubber upper • Waterproof • High visibility with black and yellow contrast • Wider Calf for easy fitting
<p>Sole / Heel</p>	<ul style="list-style-type: none"> • Flame retardant rubber outsole • Fuel oil resistant sole suitable for inimical environment • Slip resistant vulcanized rubber sole • Excellent abrasion resistant for extra durability • Withstand 18kV of life current at dry condition • Heel energy absorption design to minimize the heel impact • Catered to enter high temperature • Cold insulation sole construction
<p>Steel Midsole</p>	<ul style="list-style-type: none"> • Non-corrosive stainless steel • Withstands pin & sharp objects
<p>Steel Toe Cap</p>	<ul style="list-style-type: none"> • Non-corrosive coating material • Meets EN ISO 20345 impact and compression tests • Reliable protection in cold & hot environments
<p>Chemical Resistance</p>	<ul style="list-style-type: none"> • Sole & Upper – Resistant towards mild acids and alkalines
<p>Finishing</p>	<ul style="list-style-type: none"> • Hypalon lacquer coating for weather protection
<p>Packing</p>	<ul style="list-style-type: none"> • Recyclable Polybag & 6 pairs in a carton

**Specifications of the product are subject to changes without prior notice for further enhancements.*

Rev: 01/KHOO

June 2009



MS ISO 9001:2000
REG No. AR 0142



MS ISO 14001:2004
REG No. ER 0269



MS 1599 : 1998
Cert. No. PH 011901

