

HAMMER BOOT 8B21.90

S3 SRC ESD

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SIZES 36 - 48

X-STABILIZER REINFORCEMENT

Heel support that provides greater balance. Lace reinforcement giving you extra security.

ACTIVE FOAM INSOCK

Foam that helps to prevent muscle fatigue, while relieving heel pressure.



FLOAT INSOLE

Non-metallic, extremely light and flexible, ideal for long activities. Excellent sweat absorptions.

TRACTION CONTROL REINFORCEMENT

Triple design that improves slip resistance.

TRIPLE SPEED EVA & RUBBER SOLE

Smooth and extremely light midsole with a thin layer of ESD rubber. Oil resistancy and self-clean system.

MATERIAL MICROSUEDE

Soft, anti-stain material and very resistant to abrasion and tearing. Ideal for colder and wetter environments.

TOE CAP ALUMINIUM REINFORCED

Lightweight toe cap against pressure up to 200 Joules. Rubber coating for extra protection and easy cleaning.

TOP GRIP REINFORCEMENT

Improved outsole's walking traction due to adapted angles and geometry in both extremities.



ALUMINIUM
TOE CAP



FLOAT
INSOLE



RESISTANCE
TO WATER
ABSORPTION



ELEKTROSTATIC
DISCHARGE

STANDARDS EN ISO 20345:2011

S3 - Closed heel area with the following characteristics:

- E** - Heel energy absorption
- A** - Antistatic footwear
- FO** - Resistance to fuel oil of the outsole
- P** - Penetration resistance sole
- WRU** - Water penetration resistant uppers

ADDITIONAL CHARACTERISTICS:

- SRC** - Slip resistance on ceramic + sodium lauryl sulfate and steel + glycerin
- ESD** - Electrostatic discharge (EN 61340-5-1)

ADVANTAGES

- Light | Comfortable | Breathable | Versatile | Sporty Look |
- Excellent anti-slip characteristics | Water absorption resistant materials

WORKING ENVIRONMENT

- Indoor Jobs | Courier | Administrative | Shopkeeper | Warehouse

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CERTIFICATION NUMBER

TECHNICAL INFORMATION

MATERIALS	STANDARDS	DESCRIPTION	UN.	RESULTS	EN ISO 20345 REQ.
UPPER - MICROSUDE - Soft and anti-stain material, extremely abrasion and tearing resistant.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	2,5	min. 0,8
		COEFFICIENT OF PERMEABILITY	mg/cm ²	22	min. 15
	6.3	TEARING STRENGTH	N	158	min. 60
	6.13	TRANSMITED WATER AFTER 60 MIN	g	0,0	max. 0,2
		ABSORBED WATER 60 MIN	%	3,5	max. 30
UPPER LINING SPACE 3D - Special mesh fabric for excellent breathability. High durability of the material allows to keep the properties throughout the period of use.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	25,3	min. 2,0
		COEFFICIENT OF PERMEABILITY	mg/cm ²	202,4	min. 20
	6.3	TEARING STRENG	N	41	min. 15
HEEL LINING SPACE 3D - Special mesh fabric for excellent breathability. High durability of the material allows to keep the properties throughout the period of use.	5.5.1	TEARING STRENGTH	N	41	min. 15
	6.12	ABRASION RESISTANCE (DRY)	-	approved	25.600
		ABRASION RESISTANCE (WET)	-	approved	12.800
ELECTROSTATIC DISCHARGE (ESD) Conductive properties of the shoe.	61340-5-1	ELECTRIC PROPERTIES ESD	MΩ	42	<100
INSOLE FLOAT - Non-metallic, extremely light and flexible.	6.2.1.1	PERFORATION RESISTANCE	N	approved	no perforation
INSOCK ACTIVE FOAM - Foam that helps to prevent muscle fatigue, while relieving heel pressure.	5.5.2	ABRASION RESISTANCE (DRY)	cycles	-	25.600
		ABRASION RESISTANCE (WET)	cycles	-	12.800
	7.2	WATER DESORPTION	%	-	min 80
		WATER ABSORPTION	mg/cm2	-	min 70
SOLE EVA & RUBBER - Specially created for the safety world. Includes anti-static with excellent abrasion and anti-slip properties.	8.2	TEARING STRENGTH	N/mm	9,2	min. 8
	8.3	ABRASION RESISTANCE	mm ³	110	max. 150
	8.4	BENDING RESISTANCE	mm	0,4	max. 4
	8.6	OIL RESISTANCE	%	-	max 12
		VOLUME VARIATION			
FULL SHOE		OIL RESISTANCE INCREASED TOUGHNESS	Shore A	<10	max 10
	5.11	SLIP RESISTANCE ON CERAMIC FLOOR WITH WATER AND DETERGENT	flat heel	0,49	min. 0,32
			heel	0,51	min. 0,28
		SLIP RESISTANCE ON STEEL FLOOR WITH GLYCERINE	flat heel	0,19	min. 0,18
			heel	0,14	min. 0,13
	5.3.2.3	IMPACT RESISTANCE	mm	18,5	min. 15
	5.3.2.4	COMPRESSION RESISTANCE	mm	16,0	min. 14
	6.2.4	CHOCK ABSORPTION (HEEL)	J	74	min. 20
	5.2	ADHESION STRENGTH SOLE/CUT	N/mm	7,3	min. 4,0