



TECHNICAL DATA SHEET

Steplite EasyGrip S5 black/black

General information

Size range	
• EU	36 - 48
• UK	3.5 - 13
• US	4 - 15
The testresults in this technical datasheet are performed on size EU 42, UK 8, US 9	
Weight / pair	
• Safety level: Steel toe cap & midsole	± 1 634 g
Colours	
	
black - black	

Upper

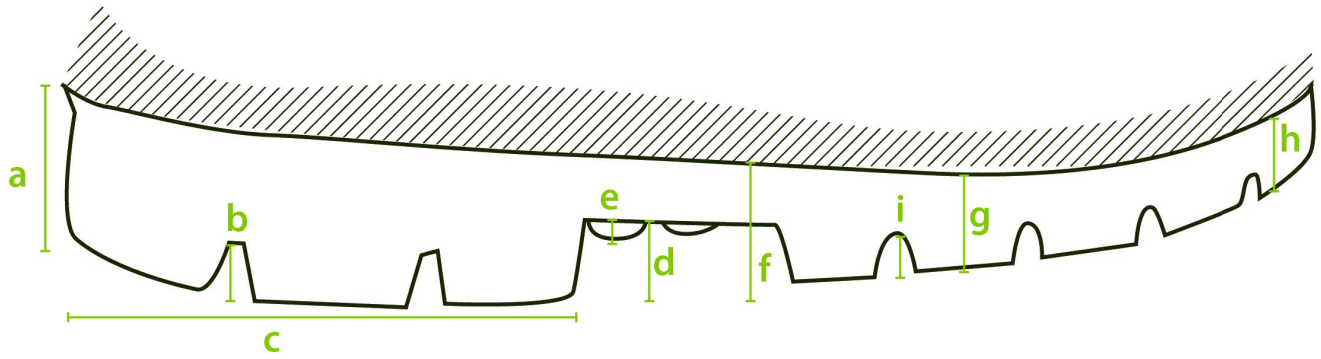
A. Dimensions	
• Height	outer measure: 38.0 cm
	cutting edge: 31.0 cm
• Foot length	outer measure: 30.5 cm
	inner measure: 28.0 cm
B. Thickness	
• Upper edge	2.8 - 3.2 mm
• Calf	2.9 - 3.1 mm
• Shinbone	2.8 - 2.9 mm
• Ankle	3.5 - 3.9 mm
• Heel	3.9 - 5.4 mm
C. Raw material	
	NEOTANE (proprietary polyurethane compound)

D. Density		
	0.65 - 0.70 g/ml	
E. Tensile strength		
(incl. lining)	10 ± 2 N/mm ²	
F. Elongation		
(incl. lining)	600 +/- 100%	
G. Hardness		
	43 +/- 2 Sh A	
H. Tear strength		
(incl. lining) N/mm	10.0 ± 2.0 N/mm	
I. Aging		
(incl. lining)	7 days at 70 °C	14 days at 70 °C
• Tensile strength	11.6 Mpa	9.0 Mpa
• Elongation	580 ± 20%	600 ± 20%
• Tear strength	11.4 N/mm	9.0 N/mm
J. Chemical resistance		
	see detailed list	
K. Environmental temperature		
• Maximum	± 100 °C	
• Minimum	Cold insulation down to -20 °C	

Lining

A. Material	
	PU coating on polyester fabric
B. Seams	
	Knitted seams

Outsole profile



A. Dimensions

• Heel

• Thickness	(a)	32.0 mm
• Profile depth	(b)	8.6 mm
• Length	(c)	90.3 mm
• Width		81.2 mm

• Middle foot

• Height	(d)	12.0 mm
• Ladder anti-slip grips	(e)	2.0 mm

• Outsole

• Thickness	(f)	23.3 mm
	(g)	20.0 mm
	(h)	17.9 mm
• Profile depth	(i)	6.7 mm

B. Raw material

	NEOTANE (proprietary polyurethane compound)
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C. Density

	0.65 - 0.70 g/ml
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D. Mechanical characteristics

	See upper (E)-(F)-(H)
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E. Energy absorption of the seat region

	25-35 J (requirement ≥ 20 J)
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F. Antistatic

	dry: 1×10^8 - 1×10^9 Ohm
	wet: 1×10^7 - 1×10^9 Ohm

G. Abrasion resistance	
	50 mm ³
H. Hardness	
	60 +/- 10 Sh A
I. Footwear slip resistance	
	SRC
J. Chemical resistance	
	see detailed list

Safety

	Standard	Required	Type	Result
Toe cap & midsole				
Nail penetration resistance	EN ISO 20345:2011	> 1100 N	Metallic	1345 N
Impact resistance (200J)	EN ISO 20345:2011	> 14.0 mm	Metallic	15.5 mm
Impact resistance (125J)	CSA Z195-14	> 12.7 mm	Metallic	16.6 mm
Impact resistance at -18 °C (125J)	CSA Z195-14	> 12.7 mm	Metallic	21.5 mm
Compression resistance	EN ISO 20345:2011	> 14.0 mm	Metallic	18.0 mm
Compression resistance	ASTM F2413-18	> 12.7 mm	Metallic	21.7 mm
Width of toe cap	outer measure: 44.2 mm			
Height of toe cap	outer measure: 87.3 mm			
Toe cap	Steel			

Certificates

	EN ISO 20345:2011 1910575-02-86
	EN ISO 20345:2011 AB0321/19216-01/E00-00
	CSA Z195-14 70048629
	ASTM F2413-18 70048629
	AS 2210.3:2019 SMKH21341

Accessories

Insole

Three layers

• Toplayer	woven textile	
• Colour	green	
• Thickness	0.70 mm	
• Interlayer	needle felt	
• Colour	cyan blue	
• Thickness	3.0 mm	
• Bottom	gel latex	
• Colour	black	
• Thickness	1.0 mm	

Washable at 30°C