



TECHNICAL DATA SHEET **BEKINA® BOOTS Steplite EASYGRIP®**

BEKINA® BOOTS

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		
• Non-safety	± 1 300 g	
• Steel toe cap	± 1 490 g	
• Steel toe cap & midsole	± 1 630 g	
Colours		
• Non-safety	• Steel toe cap	• Steel toe cap & midsole
		
green - black white - blue	green - black white - blue blue - blue	green - black yellow - black black - black

Upper

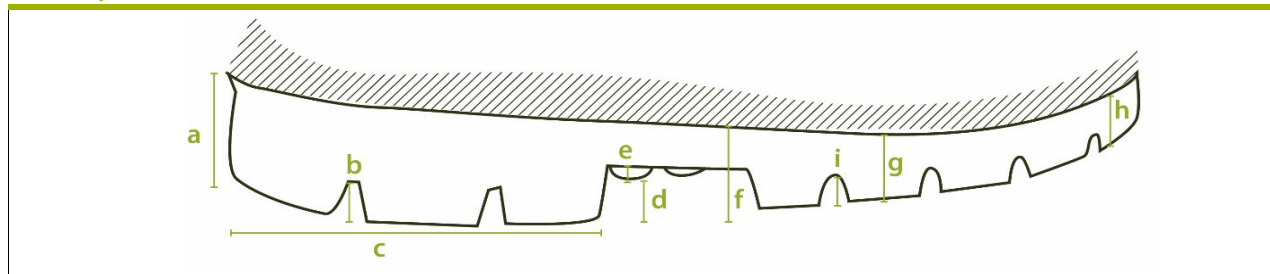
A. Dimensions		
• Height	outer measure: 38,0 cm	
	cutting edge: 31,0 cm	
• Foot length	outer measure: 30,0 cm	
	inner measure: 28,0 cm	
B. Thickness		
• Upper edge	2,8 - 3,2 mm	
• Calf	2,9- 3,1 mm	
• Shinbone	2,8 - 2,9 mm	
• Ankle	3,5 - 3,9 mm	
• Heel	3,9 - 5,4 mm	
C. Raw material		
	NEOTANE® (proprietary polyurethane compound)	
D. Density		
	0,65 - 0,70 g/ml	
E. Tensile strength		
(incl. lining)	10 ± 2 N/mm²	
F. Elongation		
(incl. lining)	600 ± 100 %	
G. Hardness		
	43 ± 2 Sh A	
H. Tear strength		
(incl. lining)	10 ± 2 N/mm	
I. Aging		
(incl. lining)	7 days at 70°	14 days at 70°
• 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)	
C. Density		
	0,65 - 0,70 g/ml	
D. Mechanical characteristics		
	see upper (E) - (F) - (H)	
E. Energy absorption of the seat region		
	25 - 35 J (requirement ≥ 20 J)	
F. Antistatic footwear		
	dry: 1×10^8 - 1×10^9 Ohm	
	wet: 1×10^7 - 1×10^9 Ohm	
G. Abrasion resistance		
	50 mm ³	



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H. Hardness	
	60 ± 10 Sh A
I. Footwear slip resistance	
	SRC
J. Chemical resistance	
	see enclosed list

Safety

	Standard	Required	Type	Result
Toe cap				
Impact resistance (200 J)	ISO 20345:2011	> 14 mm	Metallic	20,0 mm
Impact resistance (125 J)	CSA Z195-14	> 12,7 mm	Metallic	13,2 mm
Impact resistance at -18°C (125 J)	CSA Z195-14	> 12,7 mm	Metallic	17,3 mm
Compression resistance	ISO 20345:2011	> 14 mm	Metallic	17,0 mm
Compression resistance	ASTM F2413-18	> 12,7 mm	Metallic	24,3 mm
Toe cap and midsole				
Nail penetration resistance	ISO 20345:2011	> 1100 N	Metallic	1345 N
Impact resistance (200 J)	ISO 20345:2011	> 14 mm	Metallic	15,5 mm
Impact resistance (125 J)	CSA Z195-14	> 12,7 mm	Metallic	16,6 mm
Impact resistance at -18°C (125 J)	CSA Z195-14	> 12,7 mm	Metallic	21,5 mm
Compression resistance	ISO 20345:2011	> 14 mm	Metallic	18,0 mm
Compression resistance	ASTM F2413-18	> 12,7 mm	Metallic	21,7 mm
Width of steel toe cap	outer measure: 87,3 mm			
Height of steel toe cap	outer measure: 44,2 mm			

Certificates

• Non-safety		• Steel toe cap			• Steel toe cap & midsole		
green - black	white - blue	green - black	white - blue	blue - blue	green - black	yellow - black	black - black
ISO 20347:2012 PFI 2001737-02-86	ISO 20347:2012 PFI 2001737-02-86	ISO 20345:2011 PFI 1910589-02-86	ISO 20345:2011 PFI 1910589-02-86	ISO 20345:2011 PFI 1910589-02-86	ISO 20345:2011 PFI 1910575-02-86	ISO 20345:2011 PFI 1910575-02-86	ISO 20345:2011 PFI 1910575-02-86
		CSA Z195-14 CSA Group 70048629	CSA Z195-14 CSA Group 70048629	CSA Z195-14 CSA Group 70048629	CSA Z195-14 CSA Group 70048629	CSA Z195-14 CSA Group 70048629	CSA Z195-14 CSA Group 70048629
		ASTM F2413-18 CSA Group 70048629	ASTM F2413-18 CSA Group 70048629	ASTM F2413-18 CSA Group 70048629	ASTM F2413-18 CSA Group 70048629	ASTM F2413-18 CSA Group 70048629	ASTM F2413-18 CSA Group 70048629
		AS 2210.3:2019 Sai Global SMKH21341	AS 2210.3:2019 Sai Global SMKH21341	AS 2210.3:2019 Sai Global SMKH21341			AS 2210.3:2019 Sai Global SMKH21341



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Accessories

Insole

Three layers

• Toplayer	woven textile	
• Colour	green	
• Thickness	0,7 mm	
• Interlayer	needle-felt	
• Colour	cyan blue	
• Thickness	3,0 mm	
• Bottom	gel latex	
• Colour	black	
• Thickness	1,0 mm	

Washable at 30°C