

# Technical data sheet

## BEKINA® Agrilite / Steplite / Steplite Food

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### BEKINA

Size range	
● EU	35 - 48
● UK	3 - 13
● US	3½ - 15
Weight / pair (42)	
● non-safety	+/- 1.420 g
● steel toecap	+/- 1.620 g
● steel toecap & midsole	+/- 1.760 g

### LEG

A. Dimensions			
● height	outer measure: 38 cm		
	cutting edge: 31 cm		
● foot length	outer measure: 30 cm		
	inner measure: 28 cm		
B. Thickness			
● upper edge	2,85 - 3,20 mm		
● calf	2,90 - 3,10 mm		
● shin-bone	2,80 - 2,90 mm		
● ankle	3,50 - 3,90 mm		
● heel	3,90 - 5,00 mm		
● toe	3,70 - 5,00 mm		
C. Raw material			
polyurethane			
D. Specific weight			
0,65 - 0,7			
E. Colour			
green / black / white / blue			
F. Tensile strength			
(incl. lining)	839 N/cm <sup>2</sup>		
G. Elongation			
(incl. lining)	1145% +/- 20%		
H. Hardness			
42° - 47° Shore A			
I. Tear strength			
11,1 N/mm			
J. Aging			
	7 days at 70°C	14 days at 70°C	21 days at 70°C
● tensile strength	721 N/cm <sup>2</sup>	963 N/cm <sup>2</sup>	804 N/cm <sup>2</sup>
● elongation	1251% +/- 20%	1489,2% +/- 20%	1349% +/- 20%
● tear strength	10,5 N/mm	10,3 N/mm	10,7 N/mm

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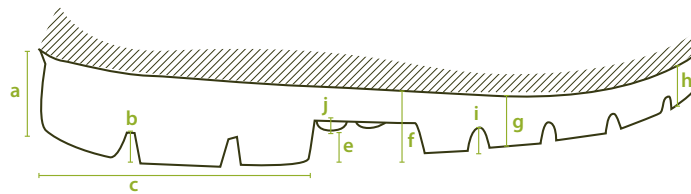
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<b>K. Chemical resistance</b>	
	see detailed list
<b>L. Environmental temperature</b>	
• maximum	+/- 100°C
• minimum	CI -20°C/-4°F (=thermo-insulating)

### LINING

<b>A. Material</b>	
	PU coating on tricot
<b>B. Seams</b>	
	in front & middle of sole
	knitted or welded seams



### X SOLE PROFILE

<b>A. Dimensions</b>	
• Heel	
• Thickness	(a) 32 mm
• Profile depth	(b) 8,6 mm
• Length	(c) 90,3 mm
• Width	79,9 mm
• Middle foot	
• Height	(e) 12 mm
• Ladder anti-slip grips	(j) 2 mm
• Sole	
• Thickness	(f) 23,3 mm
	(g) 20,0 mm
	(h) 17,9 mm
• Profile depth	(i) 4,7 mm
<b>B. Raw material</b>	
	polyurethane
<b>C. Specific weight</b>	
	0,55 - 0,60
<b>D. Color</b>	
	black / blue
<b>E. Mechanical characters</b>	
	see leg (f) - (j)

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<b>F. Energy - absorption of the heel</b>		
	30 - 35 (required $\geq$ 20)	
<b>G. Antistatic</b>		
	dry: $2,2 \times 10^8$ Ohm	
	wet: $3,7 \times 10^7$ Ohm	
<b>H. Abrasion mm<sup>3</sup></b>		
	35	
<b>I. Hardness</b>		
	62,5° +/- 2,5° Shore A	
<b>J. Slip resistance of sole</b>		
	SRC	
<b>K. Chemical resistance</b>		
	See enclosed list	
● Insole		
• Bottom	Micro cellulaire latex	
Thickness	1,7 mm	
Shape	Raster (non-skid effect)	
• Upper	Felt	
Thickness	5 mm	
● Steel toecap & sole		
	Required	Result
• Penetration resistance of sole	1,1 KN	1,430 KN
• Impact resistance on steel toecap (EN 12568 - load 200N)	14 mm	17
• Compression resistance of steel toecap	14 mm	25,0 mm
• Width of steel toecap	87,3 mm	
• Height of steel toecap	44,2 mm	

### DESIGN ASPECTS

● Lines on the boots	Modern design
● Sole	Few rolling to ensure all-over grip
● Sole profile	Ladder anti-slip on intermediate foot (cambrure)
● Labeling	Through heat-transfer, ensures label remains stuck
	4-colour printing possible as of 2.000 pairs
● Packaging	
• Quality label	Yes
• Packaging	4-coloured pairbox or plastic bag
• Quantity per carton	5 pairs of the same size