Technical data sheet
BEKINA® Agrilite / Steplite / Steplite Food

CONFIDENTIAL

BEKINA

Size range			
• EU	35 - 48		
• UK	3 - 13		
• US	$3^{1}/_{2}$ - 15		
Weight / pair (42)			
• non-safety	+/- 1.420 g		
• steel toecap	+/- 1.620 g		
• steel toecap & midsole	+/- 1.760 g		

LEG

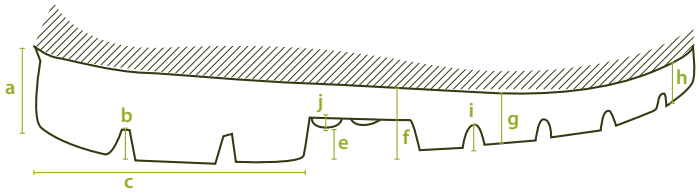
A. Dimensions			
• height	outer measure: 38 cm		
	cutting edge: 31 cm		
• foot length	outer measure: 30 cm		
	inner measure: 28 cm		
B. Thickness			
• upper edge	2,85 - 3,20 mm		
• calf	2,90 - 3,10 mm		
• shin-bone	2,80 - 2,90 mm		
• ankle	3,50 - 3,90 mm		
• heel	3,90 - 5,00 mm		
• toe	3,70 - 5,00 mm		
C. Raw material			
	polyurethane		
D. Specific weight			
	0,65 - 0,7		
E. Colour			
	green / black / white / blue		
F. Tensile strength			
(incl. lining)	839 N/cm²		
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/cm²	963 N/cm²	804 N/cm²
• 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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K. Chemical resistance	
	see detailed list
L. Environmental temperature	
• maximum	+/- 100°C
• minimum	CI -20°C/-4°F (=thermo-insulating)

LINING

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



X SOLE PROFILE

A. Dimensions	
• 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. Raw material	
	polyurethane
C. Specific weight	
	0,55 - 0,60
D. Color	
	black / blue
E. Mechanical characters	
	see leg (f) - (j)

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F. Energy - absorption of the heel		
	30 - 35 (required ≥ 20)	
G. Antistatic		
	dry: 2,2 x 10^8 Ohm	
	wet: 3,7 x 10^7 Ohm	
H. Abrasion mm³		
	35	
I. Hardness		
	62,5° +/- 2,5° Shore A	
J. Slip resistance of sole		
	SRC	
K. Chemical resistance	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

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