



# TECHNICAL DATA SHEET

## StepliteX SolidGrip O4 black/black

### General information

Size range	
• EU	36 - 49
• UK	3.5 - 15
• US	4 - 16
The testresults in this technical datasheet are performed on size EU 42, UK 8, US 9.	
Weight / pair	
• Safety level: Non-safety	± 53.26 oz
Colors	
	black - black

### Upper

A. Dimensions	
• Height	outer measure: 14.2 - 15.4 in
	cutting edge: 10.4 - 11.4 in
• Foot length	outer measure: 11.8 in
	inner measure: 11.0 in
B. Thickness	
• Upper edge	0.10 - 0.12 in
• Calf	0.11 - 0.13 in
• Shinbone	0.11 - 0.14 in
• Ankle	0.17 - 0.21 in
• Heel	0.22 - 0.24 in
C. Raw material	
	NEOTANE (proprietary polyurethane compound)
D. Density	
	86.8 - 93.5 oz/gal (U.S.)
E. Tensile strength	
(incl. lining)	1450 ± 290 psi
F. Elongation	
(incl. lining)	600 +/- 100%

<b>G. Hardness</b>		
	43 +/- 2 Sh A	
<b>H. Tear strength</b>		
(incl. lining) lbf/in	57.1 ± 11.4 lbf/in	
<b>I. Aging</b>		
(incl. lining)	<b>7 days at 158 °F</b>	<b>14 days at 158 °F</b>
• Tensile strength	1682.4 psi	1305.3 psi
• Elongation	580 ± 20%	600 ± 20%
• Tear strength	65.1 lbf/in	51.4 lbf/in
<b>J. Chemical resistance</b>		
	see detailed list	
<b>K. Environmental temperature</b>		
• Maximum	± 212 °F	
• Minimum	Cold insulation down to -22 °F	

## Lining

<b>A. Material</b>	
	PU coating on polyester fabric
<b>B. Seams</b>	
	Welded and knitted seams

## Outsole profile

A. Dimensions		
• Heel		
• Thickness	(a)	1.6 in
• Profile depth	(b)	0.57 in
• Length	(c)	4.0 in
• Width		3.4 in
• Middle foot		
• Height	(d)	0.65 in
• Ladder anti-slip grips	(e)	0.17 in
• Outsole		
• Thickness	(f)	1.3 in
	(g)	1.2 in
	(h)	0.87 in
• Profile depth	(i)	0.35 in
B. Raw material		
	NEOTANE (proprietary polyurethane compound)	
C. Density		
	6.5 - 7.0 ppg (imp.)	
D. Mechanical characteristics		
	See upper (E)-(F)-(H)	
E. Energy absorption of the seat region		
	30-40 J (requirement $\geq 20$ J)	
F. Antistatic		
	dry: $1 \times 10^8 - 1 \times 10^9$ Ohm	
	wet: $1 \times 10^7 - 1 \times 10^9$ Ohm	
G. Abrasion resistance		
	0.0031 in <sup>3</sup>	
H. Hardness		
	60 +/- 10 Sh A	
I. Footwear slip resistance		
	SR	
J. Chemical resistance		
	see detailed list	

## Certificates

