



# TECHNICAL DATA SHEET

## StepliteX StormGrip O4 blue/orange

### 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	± 68.08 oz
Colors	
	
navy blue - oranje/blauw	

### Upper

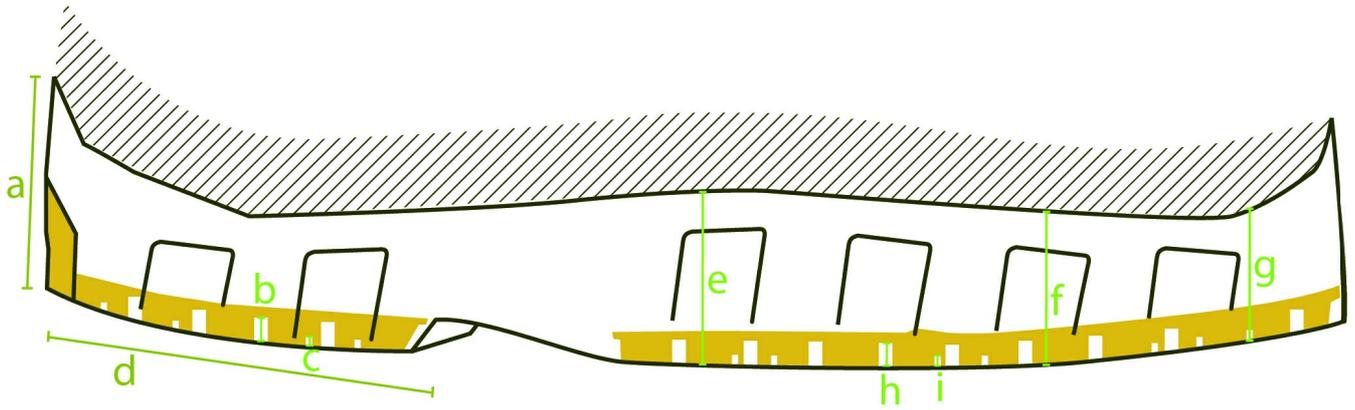
A. Dimensions	
• Height	outer measure: 14.2 - 15.4 in
	cutting edge: 10.4 - 11.4 in
• Foot length	outer measure: 11.8 in
	inner measure: 11.0 in
B. Thickness	
• Upper edge	0.10 - 0.12 in
• Calf	0.11 - 0.13 in
• Shinbone	0.11 - 0.14 in
• Ankle	0.17 - 0.21 in
• Heel	0.22 - 0.24 in
C. Raw material	
	NEOTANE (proprietary polyurethane compound)
D. Density	
	86.8 - 93.5 oz/gal (U.S.)

<b>E. Tensile strength</b>		
(incl. lining)	1450 ± 290 psi	
<b>F. Elongation</b>		
(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 -40 °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)	2.0 in
• Profile depth	(b)	0.24 in
	(c)	0.08 in
• Length	(d)	4.0 in
• Width		3.2 in

#### • Outsole

• Thickness	(e)	1.6 in
	(f)	1.3 in
	(g)	0.94 in
• Profile depth	(h)	0.24 in
	(i)	0.08 in

### B. Raw material

Rubber

### C. Density

11.0 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

0.0052 in<sup>3</sup>

<b>H. Hardness</b>	
	60 +/- 10 Sh A
<b>I. Footwear slip resistance</b>	
	SRC
<b>J. Chemical resistance</b>	
	see detailed list

## Certificates

<b>CE</b>	EN ISO 20347:2012 2005114-02-86
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## Accessories

<b>Thermo-moulded footbed</b>		
Two layers		
• Toplayer	woven textile	
• Color	black	
• Thickness	0.03 in	
• Bottom	PU foam	
• Color	black	
• Thickness	0.12 - 0.28 in	
<b>Washable at 86 °F</b>		