




TECHNICAL DATA SHEET

RigliteX fur SolidGrip S5 brown/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: Steel toe cap & midsole	± 1 866 g
Colours	
	
brown - black	

Upper

A. Dimensions	
• Height	outer measure: 26.5 - 29.5 cm
• Foot length	outer measure: 30.0 cm
	inner measure: 28.0 cm
B. Thickness	
• Upper edge	3.8 - 4.2 mm
• Calf	2.8 - 3.4 mm
• Shinbone	2.8 - 3.6 mm
• Ankle	4.2 - 5.3 mm
• Heel	5.6 - 6.0 mm
C. Raw material	
	NEOTANE (proprietary polyurethane compound)

D. Density		
	0.65 - 0.70 g/ml	
E. Tensile strength		
(incl. lining)	10 ± 2 N/mm ²	
F. Elongation		
(incl. lining)	600 +/- 100%	
G. Hardness		
	43 +/- 2 Sh A	
H. Tear strength		
(incl. lining) N/mm	10.0 ± 2.0 N/mm	
I. Aging		
(incl. lining)	7 days at 70 °C	14 days at 70 °C
• 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 -30 °C	

Pullers

A. Material	
	Synthetic leather

Binder

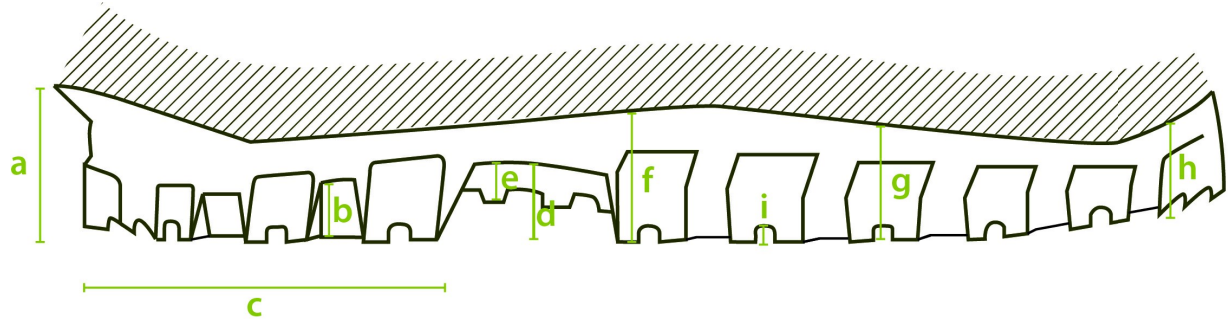
A. Material	
	Synthetic leather

Lining

A. Material	
	Fur

B. Seams

Knitted seams

Outsole profile**A. Dimensions**

• Heel

• Thickness	(a)	40.5 mm
• Profile depth	(b)	14.6 mm
• Length	(c)	102.8 mm
• Width		85.8 mm

• Middle foot

• Height	(d)	16.4 mm
• Ladder anti-slip grips	(e)	4.3 mm

• Outsole

• Thickness	(f)	33.8 mm
	(g)	30.5 mm
	(h)	22.0 mm
• Profile depth	(i)	9.0 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 region30 J (requirement ≥ 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	
	50 mm ³
H. Hardness	
	60 +/- 10 Sh A
I. Footwear slip resistance	
	SRC
J. Chemical resistance	
	see detailed list

Safety

	Standard	Required	Type	Result
Toe cap & midsole				
Nail penetration resistance	EN ISO 20345:2011	> 1100 N	Metallic	1280 N
Impact resistance (200J)	EN ISO 20345:2011	> 14.0 mm	Metallic	20.0 mm
Compression resistance	EN ISO 20345:2011	> 14.0 mm	Metallic	22.5 mm
Width of toe cap	outer measure: 48.0 mm			
Height of toe cap	outer measure: 95.0 mm			
Toe cap	Steel			

Certificates

	EN ISO 20345:2011 1910423-02-86
	EN ISO 20345:2011 AB0321/19212-01/E00-00