




# 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                            |

| <b>E. Tensile strength</b>          |                                   |                         |
|-------------------------------------|-----------------------------------|-------------------------|
| (incl. lining)                      | 10 ± 2 N/mm <sup>2</sup>          |                         |
| <b>F. Elongation</b>                |                                   |                         |
| (incl. lining)                      | 600 +/- 100%                      |                         |
| <b>G. Hardness</b>                  |                                   |                         |
|                                     | 43 +/- 2 Sh A                     |                         |
| <b>H. Tear strength</b>             |                                   |                         |
| (incl. lining) N/mm                 | 10.0 ± 2.0 N/mm                   |                         |
| <b>I. Aging</b>                     |                                   |                         |
| (incl. lining)                      | <b>7 days at 70 °C</b>            | <b>14 days at 70 °C</b> |
| • Tensile strength                  | 11.6 Mpa                          | 9.0 Mpa                 |
| • Elongation                        | 580 ± 20%                         | 600 ± 20%               |
| • Tear strength                     | 11.4 N/mm                         | 9.0 N/mm                |
| <b>J. Chemical resistance</b>       |                                   |                         |
|                                     | <a href="#">see detailed list</a> |                         |
| <b>K. Environmental temperature</b> |                                   |                         |
| • Maximum                           | ± 100 °C                          |                         |
| • Minimum                           | Cold insulation down to -30 °C    |                         |

## Pullers

| <b>A. Material</b> |                   |
|--------------------|-------------------|
|                    | Synthetic leather |

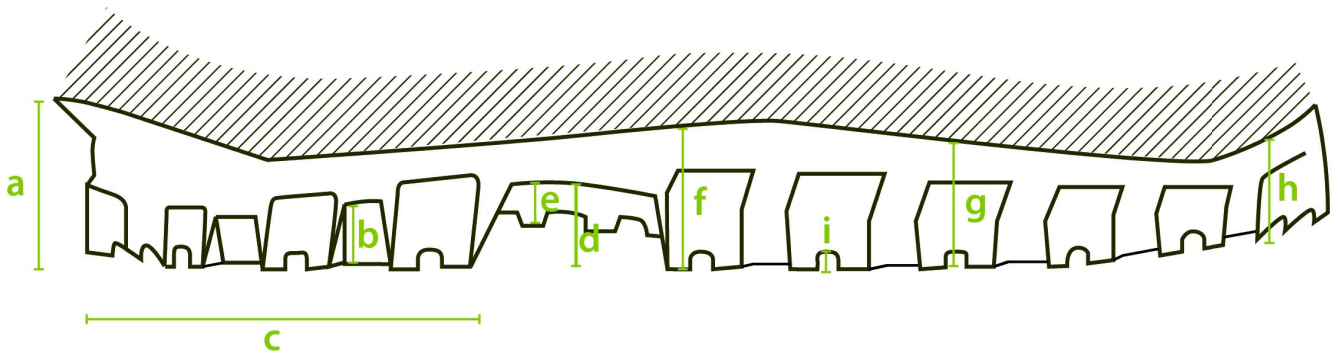
## Binder

| <b>A. Material</b> |                   |
|--------------------|-------------------|
|                    | Synthetic leather |

## Lining

| <b>A. Material</b> |               |
|--------------------|---------------|
|                    | Fur           |
| <b>B. Seams</b>    |               |
|                    | 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 region

30 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

50 mm<sup>3</sup>

### H. Hardness


60 +/- 10 Sh A

|                                    |                                   |
|------------------------------------|-----------------------------------|
| <b>I. Footwear slip resistance</b> |                                   |
|                                    | SR                                |
| <b>J. Chemical resistance</b>      |                                   |
|                                    | <a href="#">see detailed list</a> |

## Safety

|                              | Standard  | Required  | Type     | Result  |
|------------------------------|---|-----------|----------|---------|
| <b>Toe cap &amp; midsole</b> |   |           |          |         |
| Nail penetration resistance  | EN ISO 20344:2022+A1:2024 EN ISO 20345:2022+A1:2024 | > 1100 N  | Metallic | 1280 N  |
| Impact resistance (200J)     | EN ISO 20344:2022+A1:2024 EN ISO 20345:2022+A1:2024 | > 14.0 mm | Metallic | 20.0 mm |
| Compression resistance       | EN ISO 20344:2022+A1:2024 EN ISO 20345:2022+A1:2024 | > 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 20344:2022+A1:2024 EN ISO 20345:2022+A1:2024<br>1910423-02-86 |
|  | EN ISO 20345:2011<br>AB0321/19212-01/E00-00                          |