




# TECHNICAL DATA SHEET

## MidliteX SolidGrip O4 green/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   | ± 46.56 oz |
| Colors   |            |
|    |            |
| green - black  |            |

### Upper

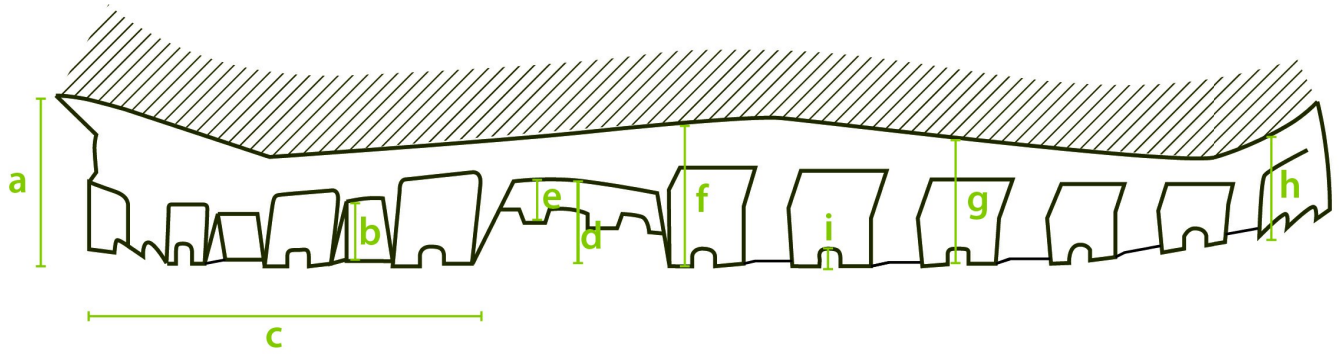
| A. Dimensions   |   |
|-----------------|---|
| • Height        | outer measure: 10.4 - 11.6 in               |
| • Foot length   | outer measure: 11.8 in                      |
|                 | inner measure: 11.0 in                      |
| B. Thickness    |   |
| • Upper edge    | 0.15 - 0.17 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>       |                                   |                          |
|                                     | <a href="#">see detailed list</a> |                          |
| <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

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

### Certificates

|  |  |
|--|--|
|  | EN ISO 20344:2022+A1:2024 EN ISO 20347:2022+A1:2024<br>2501608-02-86 |
|  | EN ISO 20347:2012<br>AB0321/19211-01/E00-00                          |

### 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>      |                |   |