# TECHNICAL DATA SHEET
# Steplite EasyGrip O4 green/black

## General information

| | |
|---|---|
| **Size range** | |
| • EU | 36 - 48 |
| • UK | 3.5 - 13 |
| • US | 4 - 15 |
| The testresults in this technical datasheet are performed on size EU 42, UK 8, US 9. | |
| **Weight / pair** | |
| • Safety level: Non-safety | ± 45.93 oz |
| **Colors** | |
| |  |
| | green - black |

## Upper

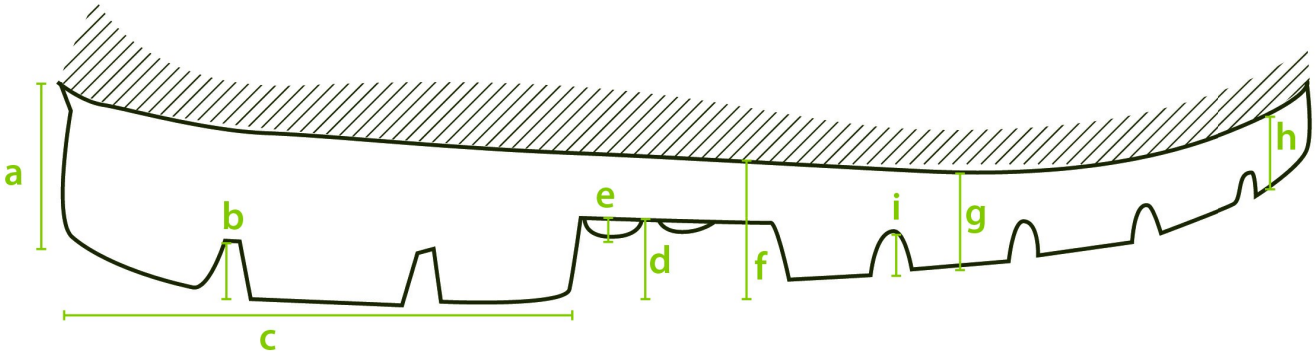
| | |
|---|---|
| **A. Dimensions** | |
| • Height | outer measure: 15.0 in |
| | cutting edge: 12.2 in |
| • Foot length | outer measure: 12.0 in |
| | inner measure: 11.0 in |
| **B. Thickness** | |
| • Upper edge | 0.11 - 0.13 in |
| • Calf | 0.11 - 0.12 in |
| • Shinbone | 0.11 - 0.11 in |
| • Ankle | 0.14 - 0.15 in |
| • Heel | 0.15 - 0.21 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% | |
| **G. Hardness** | | |
| | 43 +/- 2 Sh A | |
| **H. Tear strength** | | |
| (incl. lining) lbf/in | 57.1 ± 11.4 lbf/in | |
| **I. Aging** | | |
| (incl. lining) | **7 days at 158 °F** | **14 days at 158 °F** |
| • Tensile strength | 1682.4 psi | 1305.3 psi |
| • Elongation | 580 ± 20% | 600 ± 20% |
| • Tear strength | 65.1 lbf/in | 51.4 lbf/in |
| **J. Chemical resistance** | | |
| | see detailed list | |
| **K. Environmental temperature** | | |
| • Maximum | ± 212 °F | |
| • Minimum | Cold insulation down to -4 °F | |

## Lining

| | |
|---|---|
| **A. Material** | |
| | PU coating on polyester fabric |
| **B. Seams** | |
| | Knitted seams |

## Outsole profile




| | | |
|---|---|---|
| **A. Dimensions** | | |
| • Heel | | |
| • Thickness | (a) | 1.3 in |
| • Profile depth | (b) | 0.34 in |
| • Length | (c) | 3.6 in |
| • Width | | 3.2 in |
| • Middle foot | | |
| • Height | (d) | 0.47 in |
| • Ladder anti-slip grips | (e) | 0.08 in |
| • Outsole | | |
| • Thickness | (f) | 0.92 in |
| | (g) | 0.79 in |
| | (h) | 0.70 in |
| • Profile depth | (i) | 0.26 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** | | |
| | 25-35 J (requirement ≥ 20 J) | |
| **F. Antistatic** | | |
| | dry: $1x10^8$ - $1x10^9$ Ohm | |
| | wet: $1x10^7$ - $1x10^9$ Ohm | |
| **G. Abrasion resistance** | | |
| | 0.0031 $in^3$ | |

| | |
|---|---|
| **H. Hardness** | |
| | 60 +/- 10 Sh A |
| **I. Footwear slip resistance** | |
| | SR |
| **J. Chemical resistance** | |
| | see detailed list |

## Certificates

| | |
|---|---|
| CE | EN ISO 20344:2022+A1:2024 EN ISO 20347:2022+A1:2024<br>2409247-02-86 |
| UKCA | EN ISO 20347:2012<br>AB0321/19214-01/E00-00 |

## Accessories

| | | |
|---|---|---|
| **Insole** | | |
| Three layers | | |
| • Toplayer | woven textile |  |
| • Color | green | |
| • Thickness | 0.03 in | |
| • Interlayer | needle felt | |
| • Color | cyan blue | |
| • Thickness | 0.12 in | |
| • Bottom | gel latex | |
| • Color | black | |
| • Thickness | 0.04 in | |
| **Washable at 86 °F** | | |