poron® COMFORT

# PORON® *PERFORMANCE*

## Recommended Use:

Work
Outdoor
Athletic
Dress
Aftermarket Insoles


### All-Day Support

Superior weight-bearing capability to keep you comfortable on your feet through tough, long-term wear

### Shock Absorbing

Minimize muscle and joint fatigue from strenuous activity by efficiently reducing energy from step shock

### Lasting Durability

Open-cell structure for a lightweight breathability that keeps feet cool and dry while maintaining performance use after use

### Enduring Heritage

Innovation and corporate responsibility are at the core of Rogers Corporation's proprietary formulations and ISO-certified global operations

Product Overview Sheet

# PORON® *PERFORMANCE*

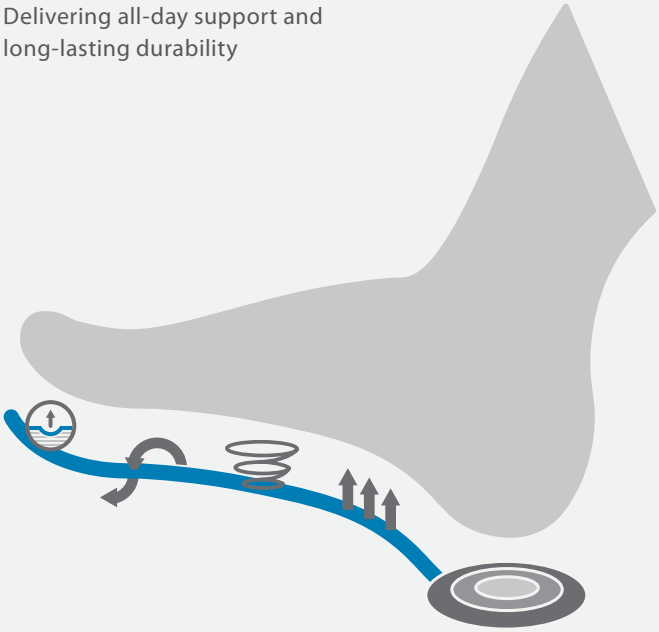
poron® COMFORT

## Construction Placement: Underfoot

- Full underfoot coverage sewn into strobel layer
- Full layer in sockliner, insole or footbed
- Pads for improved comfort on pressure points

### PORON® Performance

Delivering all-day support and long-lasting durability



## Product Attributes

### True-to-Design Fit

Open-cell material structure resists compression set and returns to at least 98% of the original shape to maintain fit and cushioning

### Breathable

Open cells compress and expand with every step, allowing the free flow of air and moisture vapor without inhibiting performance

### Resilience

Energy from each step is applied to the next for an energy-activated cushioning response

### Load-Bearing Support

Consistent compression force deflection evenly distributes weight to support key pressure points and reduce discomfort

### Shock Absorption

Helps prevent fatigue from repeated step shock by reducing energy transfer to joints and muscles

### Lightweight

Reliable cushioning performance with less thickness and weight. PORON technology will not pack out or break down over time

## PORON Performance

| PROPERTY | THICKNESS RANGE mm (inch) | DENSITY kg/m³ (lb/ft³) | WEIGHT / PAIR g/pair (oz/pair) | COMPRESSION FORCE DEFLECTION kPa (psi) | ASKER C (for reference only) | COMPRESSION SET % | RESILIENCE | SHOCK ABSORPTION kN (lb) |
|---|---|---|---|---|---|---|---|---|
| TYPICAL RESULT | 4-5 (0.158 - 0.197) | 240 (15) | 50 (1.8) | 83 (12) | See Compression Force Deflection for specification of foam firmness | < 2 | 20 | – |
| | 2.5-3 (0.098 - 0.118) | 272 (17) | 57 (2.0) | 110 (16) | | < 2 | 20 | 6.8 (1529) |
| | 2 (0.080) | 320 (20) | 67 (2.4) | 172 (25) | | < 2 | 20 | – |
| TEST METHOD | – | ASTM D 3574 TEST A | Based on 3mm thickness and approximately 0.07m² per pair | Based on ASTM D 1056; 25% deflection, 0.51 cm/min (0.2"/min) strain | ASTM D 2240 | ASTM D 3574 Test D at 70°C (158°F) | ASTM D 2632 | ASTM F 1614 3mm thick |

Notes: All metric conversions are approximate; typical values should not be used for specification limits.

ROGERS CORPORATION