

FlareDefend™ Fire Entry Suit by HiCare®

Technical Specification

Outer Shell

- **Material:** Aluminized Para-Aramid Knit Fabric.
- **Certification:** NFPA 1971 compliant.
- **Weight:** 290 GSM.
- **Features:**
 - Extreme lightweight with advanced aluminization.
 - High-performance thermal reflectivity.
 - Certified to EN 11612 with performance ratings: A1, B1, C3, D3, E3.
 - Resistant to cut, thermal, radiant, and convection heat.

Second Layer – Moisture Barrier

- **Material:** PU-Coated Glass Fabric.
- **Function:** Blocks liquid penetration while maintaining flexibility.
- **Certification:** EN 1486 compliant (moisture barrier performance).

Third Layer – Thermal Barrier

- **Material:** High-Temperature Resistant Aramid Felt.
- **Stitching:** Combined with moisture barrier using Para-Aramid thread for enhanced waterproof performance.
- **Certification:** EN 1486.

Fourth Layer – Additional Thermal Barrier

- **Material:** Two Layers of Oxidized PAN Flame-Resistant Non-Woven Fabric.
- **Function:** Additional thermal insulation and flame resistance.

Total Suit Weight: Apx. 12 kg.

Size: Standard (One Size Fits All).

Performance Ratings

- **Ambient Heat Resistance:** Up to 1500°F (815°C) for short durations.
- **Direct Flame Exposure:** Up to 2000°F (1093°C).
- **Radiant Heat Resistance:** Up to 3000°F (1650°C) for aluminized components.

FlareDefend™
By HiCare



Suit Consist Of-

Hood-

- Compatible with self-contained breathing apparatus (SCBA).
- **Features:**
 - Inner flame-seal drape.
 - Underarm adjustment straps.
 - Structural shell support.
 - Hard cap with ratchet headgear.
 - Speedy clip for cap support.
 - Hardened aluminium window frame.
 - Two tempered glass lenses and two gold-plated lenses for radiant heat protection.

Coat-

- Designed for SCBA integration.
- Front Closure: Double storm fly flap for enhanced sealing.

Pant-

- **Design:** High-waist for extended coverage.
- **Suspension:** 2-inch adjustable suspenders.
- **Leg Closure:** Adjustable straps at leg bottoms.

Over boots-

- **Fit:** Designed to fit over work shoes.
- **Closure:** Rear entry with overlap and snap closure.
- **Adjustment:** Take-up straps for a secure fit.

Mitts-

- **Construction:** Heavyweight multi-layered design for superior heat resistance.

Certifications-

NFPA 1971 – Structural firefighting protection.

EN 1486 – Protective clothing for specialized firefighting.

EN 11612 – Protective clothing against heat and flame.

Performance Ratings: A1 | B1 | C3 | D3 | E3



EN 1486



1971



2112