

# NXP 2000 & 3000 Fire Entry Suits

## TOTAL FLAME AND HIGH RADIANT HEAT PROTECTION



Newtex's NXP 2000 and NXP 3000 are the ultimate fire protection suits. They can be worn in preparation for possible fire eruption or for stand-by operations should a rescue or evasive action require passage through a fire zone. The suits are highly engineered to support the most extreme conditions with 8 layers of insulation and fully insulated hood, mitts, boots, and soles. The 2000 Series' ZetexPlus® outer shell protects against heat and fire, supporting temperatures to 2000°F (1093°C). The 3000 Series' aluminized Z-Flex® outer shell protects against high radiant heat to 3000°F (1650°C).

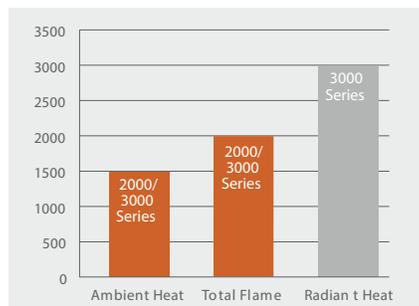
**Industries:** Stand-By Operations in Oil Tankers, Offshore Drilling Wells and Platforms, Petrochemical and Refining, Military and Homeland Security, Ships, Power Generation, Steel, Lab and Testing Facilities

NXP 2000 Pictured Above

### Temperature Rating

- Short duration ambient heat of 1500°F (815°C)
- Total flame of 2000°F (1093°C)
- Radiant heat to 3000°F (1650°C) for 3000 Series

Ambient heat is the equilibrium temperature in an area. Total flame is the direct contact temperature of a heat source. Radiant heat is given off by a heat source in proximity. Duration varies depending on the amount of conductive heat transferred during the operation.



### Features

- Outer layer for 3000 Series constructed from aluminized Z-Flex® to reflect 90% of radiant heat
- Outer layer for 2000 Series constructed from ZetexPlus® to support direct contact with extreme temperatures
- 7 additional insulation layers provide maximum protection from heat and fire
- Highly insulated boot sole provides protection from hot floors
- Complete set includes Hood, Coat, Pants, Boots, Mitts, and Foot Locker Box or Duffle Bag for storage

*Note: The use of a Breathing Apparatus set is required.*

### Protective Suits Selection Guide

| Style       | Description | Ambient Heat   | Total Flame*    | Radiant Heat    | Insulation Layers | Outer Layer           | Breathing Apparatus |
|-------------|-------------|----------------|-----------------|-----------------|-------------------|-----------------------|---------------------|
| 3000 Series | Fire Entry  | 1500°F (815°C) | 2000°F (1093°C) | 3000°F (1650°C) | 8                 | Z-Flex® Aluminization | Required            |
| 2000 Series | Fire Entry  | 1500°F (815°C) | 2000°F (1093°C) | N/A             | 8                 | ZetexPlus®            | Required            |
| 750 Series  | Kiln        | 800°F (430°C)  | 2000°F (1093°C) | 2500°F (1370°C) | 5                 | Z-Flex® Aluminization | Required            |
| 750 Series  | Proximity   | 800°F (430°C)  | 2000°F (1093°C) | 2500°F (1370°C) | 5                 | Z-Flex® Aluminization | Required            |
| 550 Series  | Approach    | 200°F (93°C)   | N/A             | 2000°F (1093°C) | 2                 | Z-Flex® Aluminization | Optional            |
| 150 Series  | Approach    | 200°F (93°C)   | N/A             | 2000°F (1093°C) | 2                 | Z-Flex® Aluminization | Not Required        |

\*N/A indicates suit is not designed for the specified use. For example, the 150 Series is not designed for Total Flame/Fire Entry.

## Specifications

### 1. Type of Suit

Fire Entry Suit

### 2. General Description

Highly insulated Fire Entry suits worn by personnel in preparation for possible fire eruption in the immediate work area or for stand by operations should a rescue or evasive action require passage through a fire zone.

### 3. Material

**A. 3000 Series:** 8 layer construction includes: Aluminized Z-Flex® outer shell, Z-Sil®, 1-inch fiberglass insulation, aluminized vapor barrier, ZetexPlus®, 1-inch fiberglass insulation, aluminized vapor barrier, flame-resistant cotton lining.

**B. 2000 Series:** 8 layer construction includes: ZetexPlus® outer layer, ZetexPlus®, 1-inch fiberglass insulation, aluminized vapor barrier, ZetexPlus®, 1-inch fiberglass insulation, aluminized vapor barrier, flame-resistant cotton lining.

### 4. Temperature Rating

Short duration ambient heat of 1500°F (815°C), total flame of 2000°F (1093°C). Radiant heat to 3000°F (1650°C) for 3000 Series.

### 5. Construction

**A. Hood:** Designed for use with an air mask. Built-in shell for structural support. Inner drape seals and underarm adjustment straps. Ratchet-adjustable hard cap with speedy clip for support. Hardened aluminum window frame with two gold-plated tempered glass lenses backed by two additional lenses for thermal protection.

**B. Coat:** Double storm fly front. Flame seal with drawstring at coat bottom.

**C. Pants:** High waist with 2" wide adjustable suspenders and adjustment straps on leg bottoms.

**D. Boots:** Designed to fit over work shoes. Rear entry with overlap snap enclosure and adjustable take-up straps. Boot sole made from 2" of layered insulation, flame retardant cotton lining, aluminum foil, and wire-reinforced, flame-retardant neoprene fiberglass.

**E. Mitts:** Heavy construction; made with ZetexPlus® fabric. Aluminized outer layer (3000 Series only).

### 6. Size and Weight

#### A. 2000 Series Suit

One size fits all. Approximate weight: 48 lbs (22 kg)

#### B. 3000 Series Suit

One size fits all. Approximate weight: 52 lbs (24 kg)

### 7. Certifications

Made from Z-Flex® and ZetexPlus® fabrics. The outer shell of the NXP 2000 suit is constructed from ZetexPlus which meets NFPA 701 requirements. The outer shell of the NXP 3000 suit is constructed from Z-Flex which is NFPA 701 / UL 214 certified and meets the following requirements:

- EN 532:1992 Limited Flame Spread
- EN 367:1992 Convective Heat
- EN 366:1993 Method B Radiant Heat
- EN 407:2004 Molten Metal Splash



NXP 3000 Pictured Above

#### WARNING:

This product should only be used by qualified personnel. Product information provided herein is based on tests performed in specific conditions which may differ from the user's operating environment. It is the user's sole responsibility to determine whether this product is appropriate for the intended use. Newtex is not liable for any damage, loss, injury or death resulting from the use of this product, and makes no guarantees or representations with respect to these products and/or their fitness for any purpose.



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As the most trusted name in the industry since 1978, Newtex is the pioneer and leading global producer of high temperature textiles for thermal management and fire protection. Our comprehensive product line includes the original Zetex® and ZetexPlus® brands, as well as the recently introduced Z-Flex® line of multilayer aluminized fabrics – the most advanced radiant protection ever developed. We are an ISO 9001:2008 certified vertically integrated manufacturer, coater, and laminator of an impressive portfolio of insulation and fire resistant fabrics, tapes, ropes, tubing, and glass yarn, which support a broad range of applications that include fire safety, heat shielding, welding protection, insulation systems, expansion joints, and gasketing.

