

# NXP 2000 & 3000 Fire Entry Suits

## TOTAL FLAME AND HIGH RADIANT HEAT PROTECTION



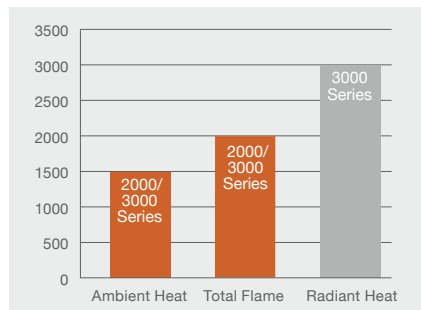
Newtex's 2000 and 3000 Series Suits are designed to provide the ultimate personnel fire protection. They can be worn in preparation for possible fire eruption or for stand-by operations should a rescue or evasive action require passage through a fire zone. The suits are highly engineered to support the 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

### 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

- Aluminized Z-Flex® outer shell of 3000 Series suit reflects up to 95% of radiant heat.
- ZetexPlus® outer shell for 2000 Series suit supports 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 Duffle Bag for storage.
- Newtex Extreme Protective suits are made from Z-Flex® Multilayer aluminized fabrics, Zetex® and ZetexPlus® premium texturized fiberglass, and other high performance insulation materials to provide maximum protection from heat and fire.

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

## NXP Fire & Proximity Suit 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® Aluminized	Required
➤ 2000 Series	Fire Entry	1500°F (815°C)	2000°F (1093°C)	N/A	8	ZetexPlus®	Required
850 Series	Kiln	800°F (427°C)	N/A	2000°F (1093°C)	6	Z-Flex® Aluminized	Required
750 Series	Proximity	550°F (288°C)	N/A	2000°F (1093°C)	5	Z-Flex® Aluminized	Recommended
550 Series	Approach	200°F (93°C)	N/A	2000°F (1093°C)	2	Z-Flex® Aluminized	Optional
150 Series	Approach	200°F (93°C)	N/A	2000°F (1093°C)	2	Z-Flex® Aluminized	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. 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.

**B. 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.

## 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 2 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 two layers of 1" 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. Weight:** 2000 Series Suit: 44 lbs (20.0kg)  
3000 Series Suit: 52 lbs. (23.6 kg)

**B. Size:** Available in the following sizes:  
L/XL (41"-47" chest, 37"-48" waist)  
Custom sizes available for additional charge

## 7. Testing & Certifications

Z-Flex® Aluminized Fabrics:

- EN366 Radiant Heat
- EN367 Convective Heat
- EN532 Limited Flame Spread
- EN348 & ASTM F955 Molten Metal
- EN388 Abrasion Tear Resistance

All Materials:

- NFPA 701 Flame Propagation
- FED191/5903.1 Flame Resistance

Lining & Insulation:

- ASTM D6413 Flame Resistance (lining)
- ASTM E84 Surface Burning Characteristics (Insulation)

### 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.



2000 Series

3000 Series

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EXTREME PROTECTIVE

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7/11

For over 30 years, Newtex Industries has been a trusted leader in high temperature protective clothing and equipment. Our protective apparel, gloves, mitts, and fire curtains are made from performance Zetex®, ZetexPlus®, Z-Flex®, and Aramid fabrics to resist temperatures up to 2000°F while providing outstanding protection from heat, fire, sparks, and molten splash.



Newtex 2000 Series  
Fire Entry Suit