NXP 750 Insulated Proximity Suit

SUPERIOR PROTECTION FROM INDUSTRIAL HEAT AND FIRE SOURCES

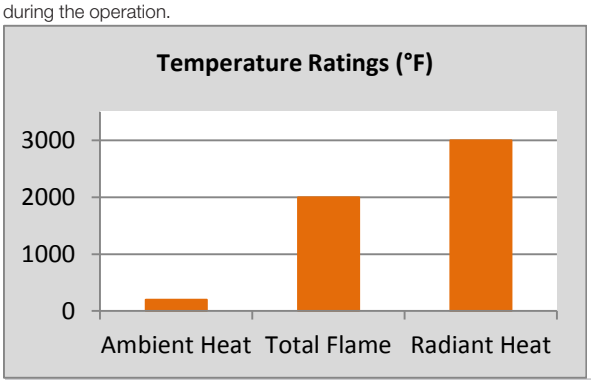
The NXP 750 Proximity Suit is insulated to protect personnel working in close proximity to extreme temperatures or fire. The 750 Proximity Suit is intended for emergency standby operations and other scenarios where personnel are exposed to brief but extreme radiant temperatures. The suit has an aluminized outer shell and an aluminized vapor barrier to protect against high pressure steam, vapor, chemicals, and radiant temperatures up to 3000°F (1650°C). The NXP 750 Insulated Proximity Suit provides superior protection from possible flashover scenarios and can be used safely for short-duration fire entry emergencies.

Industries: Foundries and Casting Operations, Welding and Hot Works Operations, Glass and Ceramic Plants Production, Power Generation, Petrochemical and Refining, Laboratory and Testing Facilities

Temperature Ratings

- Short duration ambient heat up to 800°F (430°C)
- Total flame to 2000°F (1093°C)
- Short duration radiant heat to 3000°F (1650°C)

Ambient heat is the equilibrium operating temperature in an area. 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 reflects 95% of radiant heat
- Aluminized vapor barrier layer protects against steam, vapor, and chemicals
- Superior Thermal Protective Performance (TPP)
- Layers of 1-inch fiberglass insulation for ambient heat protection
- Fire-resistant vapor barrier lining
- Complete set with Hood, Coat, Pants, Boots, Mitts, and Foot Locker Box or Duffle Bag for storage. Also available in one piece coverall style.

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

Protective Suits Selection Guide

The 750 Series is part of Newtex's Extreme Protective Line.

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	Insulated Kiln	800°F (430°C)	2000°F (1093°C)	3000°F (1650°C)	5	Z-Flex® Aluminization	Required
750 Series	Insulated Proximity	800°F (430°C)	2000°F (1093°C)	3000°F (1650°C)	5	Z-Flex® Aluminization	Required
550 Series	Proximity	200°F (93°C)	N/A	3000°F (1650°C)	2	Z-Flex® Aluminization	Optional
150 Series	Proximity	200°F (93°C)	N/A	3000°F (1650°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

Radiant and Ambient Heat Protective Proximity Suit

2. General Description

Insulated Proximity Suit designed to protect personnel working in proximity to extreme temperatures, fire, high radiant heat, steam, vapor, or chemicals.

3. Material

Five layer construction includes: Aluminized Z-Flex® outer shell, lightweight aluminized vapor barrier, two layers of 1-inch fiberglass insulation, neoprene-coated flame-resistant cotton lining.

4. Temperature Rating

Short duration ambient heat up to 800°F (430°C), radiant heat to 3000°F (1650°C).

5. Construction

A. Hood: Ratchet-adjustable hard cap with speedy clip for support. Full shoulder length drape and adjustable underarm straps. Hardened aluminum window frame with tempered glass lenses for thermal protection.

B. Coat: Double storm fly front. Flame seal with drawstring at coat bottom. Pouch for breathing apparatus accommodation.

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

D. Boots: Designed to fit over work shoes. The boots feature adjustment straps and ZetexPlus® binding. Leather-insulated sole.

E. Mitts: ZetexPlus® palm and thumb. Aluminized back and cuff.

Coverall Option: One piece coverall styles (760 Series) also available. The breathing apparatus accomodation is not available on the 760 Series. The 760 Suit is intended for use with airlines.

6. Size and Weight

One size fits most.
Approximate weight: 44 lbs (20 kg).

7. Certifications

Made from Z-Flex® and ZetexPlus® fabrics. The outer Z-Flex® layer is NFPA 701/UL 214 certified and meets the following standards:

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

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.