

NXP 150 & 550 Proximity Suit

RADIANT HEAT PROTECTION



Newtex's 150 / 550 Series Approach Suits are lightweight, radiant-heat resistant suits designed for use in foundries, steel mills, chemical plants, and other industries and applications where ambient temperatures can reach 200°F (93°C). The suits have an aluminized Z-Flex® outer shell that reflects 95% of radiant heat to support radiant temperatures to 3000°F (1650°C) and are fabricated without bulk insulation layers to allow for flexibility and freedom of movement. The 150 Series has a flame-resistant cotton lining for comfort, while the 550 Series has a neoprene-coated vapor barrier lining for added protection from steam, vapor and liquids.

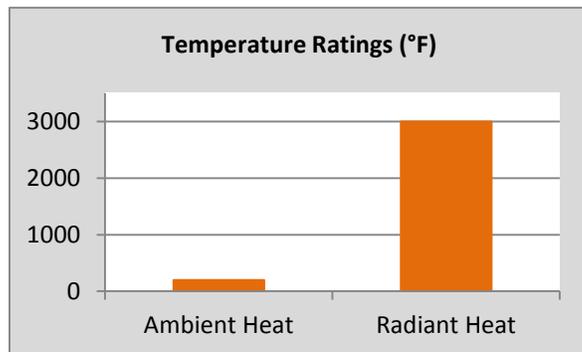
Industries: Foundries and Casting Operations, Welding and Hot Works Operations, Glass and Ceramic Plants Production, Power Generation, Petrochemical and Refining, Laboratory and Testing Facilities

Temperature Rating

- Short duration ambient heat of 200°F (93°C)
- Radiant heat to 3000°F (1650°C)

Ambient heat is the equilibrium 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.

The 150 and 550 Series Approach Suits do not have bulk insulation layers and should not be used for fire entry.



Features

- Aluminized Z-Flex® outer shell reflects up to 95% of radiant heat.
- Fire-resistant vapor barrier lining (550 Series) or fire-resistant cotton inner lining (150 Series) for comfort.
- Fabricated without bulk insulation layers to allow for flexibility and freedom of movement.
- Complete set includes Hood, Coat, Pants, Boots, Gloves, and Duffle Bag for storage. [Also available in one piece coverall style.]
- Optional accommodation for Breathing Apparatus set (550 Series).
- Suits are CE certified to EN 531:1995 (Protective Clothing for Industrial Workers Exposed to Heat). *Tested according to EN ISO 11612:2008 requirements (Protective clothing - clothing to protect against heat and flame).*
- Gloves are certified to EN 407:2004 and EN: 388:2003 requirements

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

2. General Description

Lightweight, radiant-heat protective suits used in industrial and factory applications. Designed to allow for flexibility and freedom of movement.

3. Material

- A. 150 Series:** 2 layer construction includes: Aluminized Z-Flex® outer shell, flame-resistant cotton lining.
- B. 550 Series:** 2 layer construction includes: Aluminized Z-Flex® outer shell, neoprene-coated vapor barrier lining.

4. Temperature Rating

Short duration ambient heat of 200°F (93°C), radiant heat to 3000°F (1650°C).

5. Construction

- A. Hood:** Built-in shell provides structural support. Inner hard cap is ratchet adjustable and includes speedy clip for support.
- B. Coat:** Tailored sleeves with snap adjustment. Covered front snaps. Optional Breathing Apparatus accommodation (550 Series only).
- C. Pants:** High waist with 8 point adjustable elastic suspenders. Snapped triangular storm fly front. Snap adjustment on leg bottoms.
- D. Boots:** Leather sole and heels. Designed to fit over work shoes with adjustment-tightenin straps.
- E. Gloves:** 14" length gauntlet style with leather palms.

6. Size and Weight

- A. Weight:** 150 Series Suit: 17.5 lbs (7.9 kg)
550 Series Suit: 21 lbs (9.5 kg) or 23 lbs (10.4 kg) with Breathing Apparatus
- B. Size:** S/M: Up to 40" chest, Up to 36" waist (150 suit only)
L/XL: 41"-47" chest, 37"-48" waist (150 or 550 suit)
Custom sizes available for an additional charge

7. Testing & Certifications

Z-Flex® Aluminized Fabrics:

- ISO 6942 / EN366 - Radiant Heat
- ISO 9151 / EN367 - Convective Heat
- ISO 15025 / EN532 - Limited Flame Spread
- ISO 9185 / EN348 & ASTM F955 - Molten Metal
- ISO 13937 / EN388 - Abrasion Tear Resistance

Lining:

- NFPA 701 - Flame Propagation
- ASTM D6413 - Vertical Flame Test



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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