NXP 150 & 550 Proximity Suit

RADIANT HEAT PROTECTION

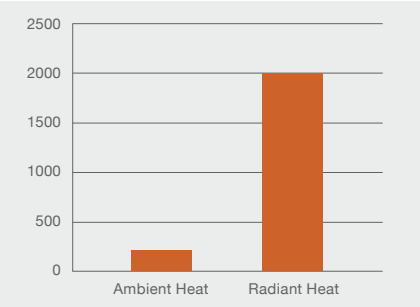
Newtex's 150 / 550 Series Approach Suits are lightweight, radiant-heat resistant suits designed for use in foundries, steel mills, chemical plants, and other industries and applications where ambient temperatures can reach 200°F (93°C). The suits have an aluminized Z-Flex® outer shell that reflects 95% of radiant heat to support radiant temperatures to 2000°F (1093°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 2000°F (1093°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).
- 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.
- CE certified to EN 531:1995 Protective Clothing for Industrial Workers Exposed to Heat.

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

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 flame-resistant cotton lining.

4. Temperature Rating

Short duration ambient heat of 200°F (93°C), radiant heat to 2000°F (1093°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-tightening straps.

E. Gloves: 14" length gauntlet style with leather palms. One piece coverall styles (160 and 560 Series) also available.

6. Size and Weight

A. Weight: 150 Series Suit: 16 lbs (7.7 kg)
550 Series Suit: 20 lbs (9.1 kg) or 22 lbs (10.0 kg) with Breathing Apparatus

B. Size: Available in the following sizes:
S/M (Up to 40" chest, Up to 36" waist) (150 Series Suit)
L/XL (41"-47" chest, 37"-48" waist) (150 Series Suit, 550 Series Suit)

Custom sizes available for additional charge.

150 Series

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.

NEWTEX
EXTREME PROTECTIVE

7/11

Headquarters

8050 Victor-Mendon Road
Victor, NY 14564
USA

Tel 800-836-1001
Fax 585-924-4645
E-mail sales@newtex.com
Web www.newtex.com

Asia/Pacific Office

No. 8 Commonwealth Lane
4th Floor
Singapore 149555

Tel 65 6748 1138
Fax 65 6748 0848
E-mail sales@newtex.com.sg
Web www.newtex.com.sg

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

Newtex, Zetex, Z-Flex and ZetexPlus are registered trademarks of Newtex Industries, Inc.