NEWTEX
EXTREME PROTECTIVE APPAREL

X10

ULTRA-LITE PROXIMITY SUIT

The X10 Ultra-Lite Proximity Suit is an extremely lightweight and flexible suit intended for industrial applications. The X10 is fabricated without bulk insulation or lining for superior flexibility and freedom of movement. It is available with the option of three different types of Z-Flex® Multilayer Aluminized outer shells, each material features unique strengths.

Z-Flex reflects 95% of radiant heat and withstands radiant temperatures up to 3000°F (1650°C). In addition to providing outstanding protection, Z-Flex is also the most durable aluminized material available and will not de-laminate under even the most demanding conditions.

This suit can be used in a wide range of industries and applications including foundries, processing facilities, and other environments where workers are exposed to radiant heat.

Ensemble Features

Jacket
- Narrow collar
- Set-in sleeves
- Snap adjustments on sleeve cuffs

Pants
- Sewn-in elastic suspenders for adjustable pant drop

Hood, Boots, and Gloves
- The X10 ensemble includes a jacket and pants only, however, the X20 hood, boot covers, and gloves can be purchased with the X10 ensemble for an additional cost.

Suit Construction

Radiant Shell Options:
- Z-Flex® R-480 Aluminized FR Rayon for increased flexibility and comfort
- Z-Flex® O-500 Aluminized O-PAN / Aramid for superior insulation

Suit Weight

Nominal weight: 4 lbs (1.8 kg)

* The nominal suit weight is the total approximate weight of the jacket and pants. Actual weights may vary slightly.

Suit Sizing

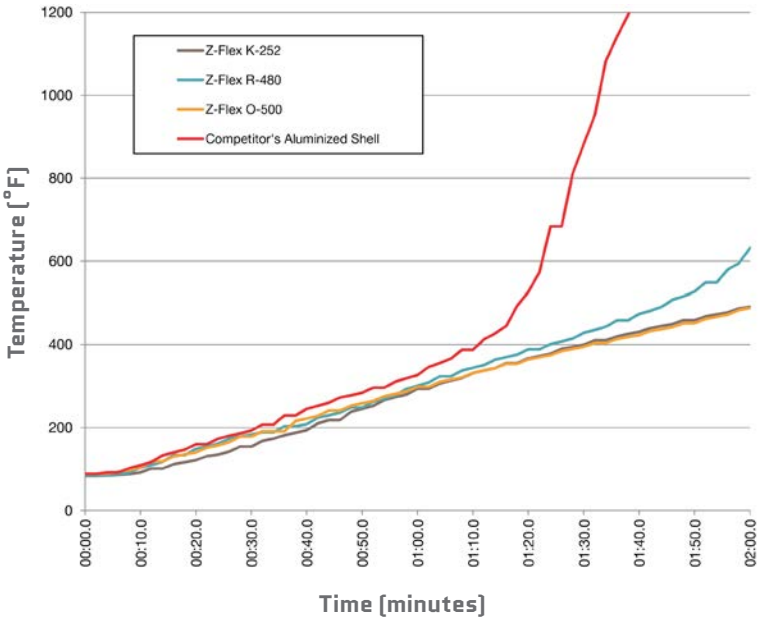
	User's Chest	User's Waist	Jacket Length	Sleeve Length	Pant Inseam
Small*	Up to 38" / 81 cm	Up to 30" / 76 cm	30" / 76 cm	32" / 81 cm	27" / 69 cm
Medium	Up to 42" / 107 cm	Up to 34" / 86 cm	31" / 79 cm	33" / 84 cm	28" / 71 cm
Large	Up to 46" / 117 cm	Up to 38" / 97 cm	32" / 81 cm	34" / 86 cm	29" / 74 cm
X-Large	Up to 50" / 127 cm	Up to 44" / 112 cm	33" / 84 cm	35" / 89 cm	30" / 76 cm

***Sizes Small and 2XL+ are not stocked and may be subject to a longer lead time. Small, 2XL and other custom sizes are available for an additional cost.*

The X Series suits incorporate the latest apparel design features to provide outstanding flexibility, dexterity, and comfort while maximizing safety and efficiency. With more than a dozen options, we are certain that you will find an X Series suit that meets your requirements.

When selecting a proximity or fire entry suit, it is important to consider the convective, conductive, and radiant heat risks in your work area and the length of exposure to that heat. The advanced aluminized outer shell of the X Series suits provides the ultimate protection from radiant energy, the heat transmitted from all hot objects. The X Series also provides protection from conductive and convective heat. The level of conductive and convective protection increases with each suit as you move from the most lightweight suit to the heaviest.

Radiant Heat Protection



The radiant performance graph above illustrates the radiant protection provided by each of the three X10 radiant shells and the leading competitive aluminized shell. The graph illustrates the temperature of the cold-side of the aluminized shell as it is exposed to radiant heat of 2.0 cal/cm^2 sec over a two minute period. The test results show the temperature of the X Series shells increase slowly and steadily compared to the leading competitive shell which fails catastrophically. The heat source used for this test is extreme and not necessarily representative of all real world scenarios. The test is intended to show relative radiant protective values of the aluminized shells in relation to each other. Real world industrial maintenance and emergency response environments are likely to be unpredictable and vary from test conditions. We recommend only professionally trained industrial workers and emergency personnel use these suits under established safety protocols.

Testing & Certification

The **X10 Ultra-Lite Proximity Suit** meets the requirements of the **ISO 11612** test standard. The Z-Flex® outer shell also meets or exceeds the additional specifications listed in the table below.

Test Description	Standards
Radiant Heat	ISO 6942, EN 366, ASTM F1939
Convective Heat	ISO 9151, EN 367
Limited Flame Spread	ISO 15025, EN 532
Molten Metal	ISO 9185, EN 348, ASTM F955
Tear Resistance	ISO 13937, EN 388

** Test results are available upon request. Please email tech@newtex.com.*

NEWTEX

Headquarters
8050 Victor Mendon Road
Victor, NY 14564 USA

800-836-1001 Tel
585-924-4645 Fax

For nearly 40 years, Newtex has been a pioneer and leading global producer of high temperature materials and engineered solutions for thermal management and fire protection. Headquartered in Rochester, New York, Newtex is an ISO 9001:2015 certified, vertically integrated manufacturer of an impressive portfolio of textiles and fabricated systems for insulation and fire containment. Globally recognized textile brands include ZetexPlus®, Z-Flex®, and Z-Block™. Newtex is a minority owned, veteran-managed business that has served the US Military and leading global industries since 1978. Newtex products are proudly made in the USA.

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