NEWTEX®
EXTREME PROTECTIVE APPAREL

X50

KILN SUIT

The X50 Kiln Suit is a heavily insulated aluminized suit designed for extended exposure to extreme heat.

The suit features a Z-Flex® aluminized outer shell which 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. A foil layer beneath the outer shell acts as a 2nd defense against extreme temperatures, and two layers of fiberglass insulation provide additional protection for extended exposure.

This suit is intended for use in oven and kiln maintenance and can be used in a wide range of industries in which workers are exposed to extreme temperatures.

*Suit May Vary Slightly from the Image Above

Ensemble Features

Jacket
- Raglan sleeves
- Double storm fly closure
- Pouch for SCBA
- Inner cinch for tight seal
- ZetexPlus elbow patches

Pants
- Easy entry design
- ZetexPlus knee patches

Boots
- Easy-on design
- Wooden sole

Hood
- Hard cap with ratchet adjustment*
- Full shoulder length drape
- Dual-layer clear glass lenses
- Rounded bib

Mitts
- Mitts with an aluminized back
- ZetexPlus palm & fleece lining

Also Included
- Ballistic nylon duffle bag
- Nomex® balaclava

Suit Construction

Radiant Shell
Z-Flex® A-601 Aluminized Texturized Fiberglass

Insulation Layers
Z-Flex® AF F-628 Foil & Fiberglass Insulation

Thermal Liner
FR Neoprene

Suit Weight

Jacket & Pants Only*: 28 lbs (12.7 kg)

Total Ensemble*: 46 lbs (20.9 kg)

* Weights are approximate. Actual weights may vary.

Suit Sizing

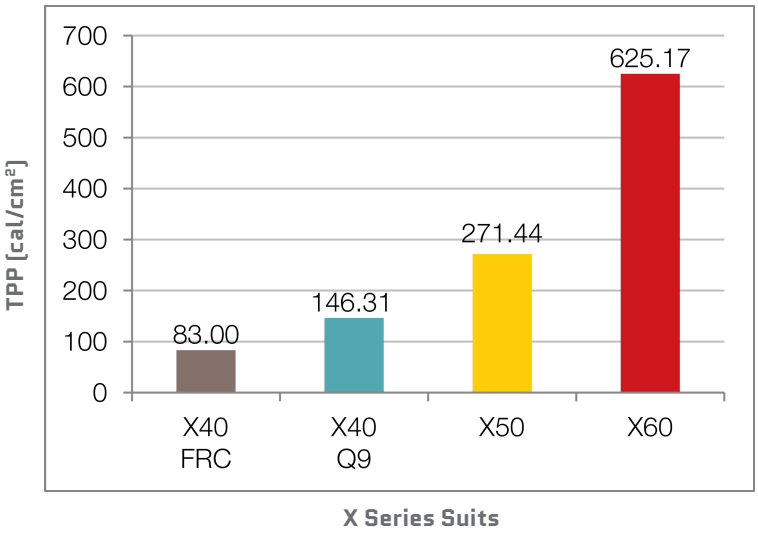
	User's Chest	User's Waist	Jacket Length	Sleeve Length	Pant Inseam
One Size Fits Most	Up to 50" / 127 cm	Up to 44" / 112 cm	33" / 84 cm	35" / 89 cm	30" / 76 cm

*Hard cap meets ANSI-Z89.1-2009 impact resistance tests.
***2XL & custom sizes are available upon request for an up-charge.

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 lightest suit to the heaviest.

Thermal Protective Performance (TPP)



The Thermal Protective Performance (TPP) graph above illustrates the relative protective values of the X40, X50, and X60 suits in relation to each other. The TPP test exposes samples to convective and radiant heat sources and measures the heat transferred through the test specimen to calculate a tolerance time to 2nd degree burn. The levels of exposure are extreme and not representative of most real world scenarios. 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 first responders use these suits under established safety protocols.

Testing & Certification

The X50 Kiln 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*

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For nearly 40 years, Newtex has been a pioneer and leading global producer of high performance materials and engineered solutions for thermal management and fire protection. Headquartered outside of Rochester, New York, Newtex is an ISO 9001:2008 certified, vertically integrated manufacturer of an impressive portfolio of heat and fire resistant fabrics, tapes, personal protective apparel, and custom high temperature solutions. We are a minority owned, veteran-managed business that has proudly served the US Armed Forces and leading global industries since 1978. Newtex products are proudly made in the USA.