NEWTEX
EXTREME PROTECTIVE APPAREL

X40

INSULATED PROXIMITY SUIT

The X40 Insulated Proximity Suit is a moderately insulated aluminized suit designed for industrial applications.

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 secondary defense against radiant heat, and a layer of fiberglass insulation provides protection even during extended exposure to extreme temperatures. The Quilted Nomex® thermal liner provides superior protection from conductive and convective heat.

This suit can be used in a wide range of industries including foundries, petrochemical plants, processing facilities, and other environments where workers are exposed to extreme temperatures.

Ensemble Features

Jacket
- Zipper closure & velcro storm fly
- Cinch at waist for athletic fit
- Pouch for SCBA
- Optional: Pockets with flap closure

Pants
- Suspenders for adjustable length
- Cinch on cuffs for adjustment

Boots
- Easy-on design
- For wear over work boots
- Leather sole for grip

Hood
- Hard cap with ratchet adjustment*
- Full shoulder length drape
- Polycarbonate lens with gold film
- Rounded bib & elasticized straps

Gloves
- Three finger gauntlet style
- Aluminized back & ZetexPlus palm

Also Included
- Ballistic nylon duffle bag
- Nomex® balaclava

Suit Construction

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

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

Thermal Liner
Quilted Nomex® liner

Suit Weight

Jacket & Pants Only*: 16 lbs (7.3 kg)

Total Ensemble*: 25 lbs (11.3 kg)

* Weights are approximate. Actual weights may vary.

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

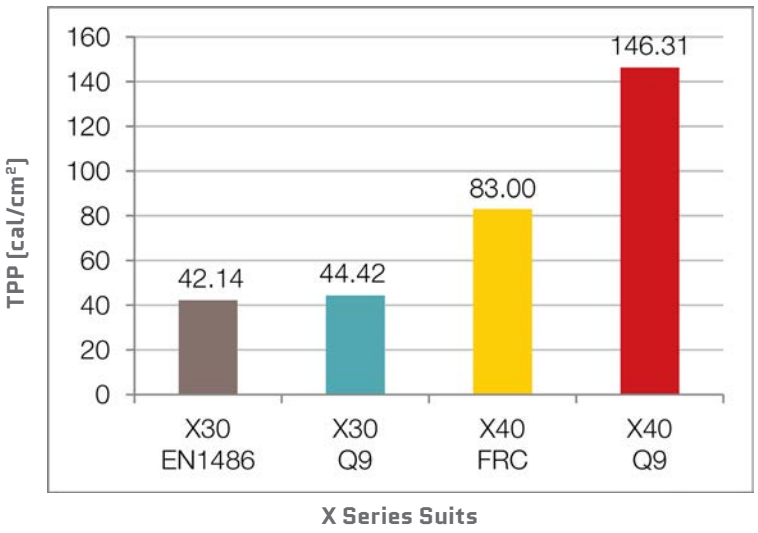
Hard cap meets ANSI-Z89.1-2009 impact resistance tests.

***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 lightest suit to the heaviest.

Thermal Protective Performance (TPP)



The Thermal Protective Performance (TPP) graph above illustrates the relative protective values of the X30 and X40 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 X40 Insulated 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

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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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