

# X20

## LIGHTWEIGHT PROXIMITY SUIT

The X20 Lightweight Proximity Suit is designed to protect from radiant heat and minor molten metal splash. The X20 is fabricated with a Z-Flex® outer shell and is available with your choice of a standard FR cotton liner or an upgraded neoprene liner for added protection from hot steam, gas, and vapor.

The Z-Flex outer shell 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 including foundries, petrochemical plants, processing facilities, and other environments where workers are exposed to extreme radiant temperatures.



### Ensemble Features

#### Jacket

- Small collar
- Set-in sleeves
- Snap adjustments on sleeve cuffs
- Optional: Pouch for SCBA

#### Pants

- Sewn-in elastic suspenders for adjustable pant drop

#### Boots Covers

- Velcro straps secure cover behind foot
- For wear over work boots

#### Hood

- Hard cap with ratchet adjustment\*
- Full shoulder length drape
- Elasticized underarm straps
- Rounded bib
- Polycarbonate lens with gold film

#### Gloves

- 14" aluminized gauntlet style
- Leather palm & fleece lining

#### Also Included

- Ballistic nylon duffle bag

### Suit Construction

Radiant Shell

Z-Flex® A-601 Aluminized Texturized Fiberglass

2 Thermal Liner Options

- Standard: FR cotton for lightweight breath-ability
- Upgrade: Neoprene liner for protection from hot steam, gas, and vapor.

### Suit Weight

Jacket & Pants Only\*: 7 lbs (3.2 kg)

Total Ensemble\*: 13 lbs (6 kg)

\* Weights are approximate. Actual weights may vary.

### Suit Sizing

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

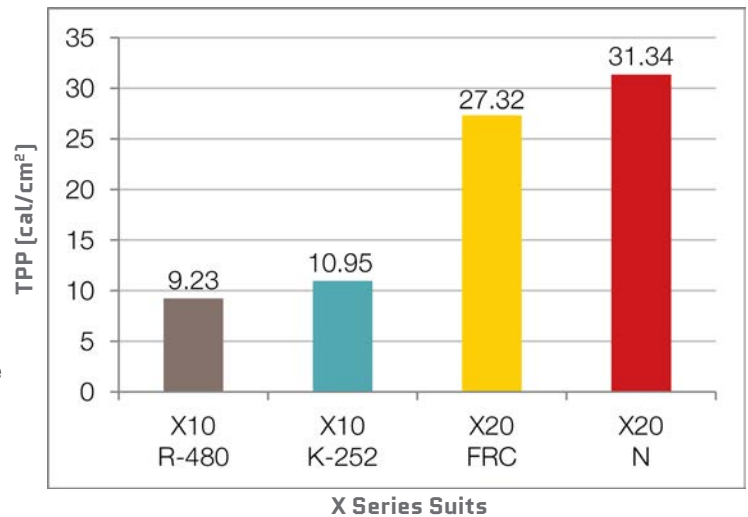
\*\*Size Small is not stocked and may be subject to a longer lead time. 2XL and custom sizes are available for an additional cost.

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 lightest suit to the heaviest.

The Thermal Protective Performance (TPP) graph above illustrates the relative protective values of the X Series 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.

## Thermal Protective Performance (TPP)



## Testing & Certification

The **X20 Lightweight Industrial 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.*



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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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