

X Series

ADVANCED ALUMINIZED PROTECTIVE APPAREL

The X Series represents the most significant step forward in extreme protective apparel in decades. Designed for superior fit, comfort, and protection, these suits feature the latest advances in material science and apparel design. The X Series offers a solution for nearly any application, starting with the ultra-lite X10 single layer proximity suit for furnace operations and metal pouring to insulated suits for more severe temperatures, firefighting, and industrial operations. All X Series suits feature an advanced Z-Flex® Multilayer Aluminized performance outer shell which delivers lightweight protection from extreme radiant heat and has proven to outperform and outlast all other radiant protective fabrics. Whatever your high temperature challenge - protect the people that matter most with the X Series.

X Series suits are designed for use in a wide range of industries & applications including steel & metal works, furnace, glass, & foundry operations, petrochemical and power generation plants, aircraft rescue, specialized firefighting, and emergency response.



Style	Suit Type	Aluminized Shell	Liner	Thermal Layer(s)	Weight (Nominal)*	
X10	Ultra-Lite Proximity	Z-Flex K-270 Aramid	—	—	4 lbs	1.8 kg
		Z-Flex R-480 Rayon				
		Z-Flex O-500 O-PAN				
X20	Lightweight Proximity	Z-Flex A-601	FR Cotton	—	13 lbs	6.0 kg
			Neoprene			
X30	Industrial Proximity	Z-Flex A-601	Quilted Nomex®	—	17 lbs	7.8 kg
	Attack Proximity Firefighting		Tencate Aralite® NP			
X40	Insulated Proximity	Z-Flex A-601	Quilted Nomex®	Z-Flex F-628 AF Foil & Fiberglass Insulation	25 lbs	11.3 kg
X50	Fire Entry (Short Duration)	Z-Flex A-601	Neoprene	Z-Flex F-628 AF Foil & Fiberglass Insulation	46 lbs	20.9 kg
	Kiln Maintenance					
X60	Fire Entry (Advanced)	Z-Flex A-601	FR Cotton	Pyron® Insulation, Z-Flex F-628 AF Foil & Fiberglass Insulation	55 lbs	24.9 kg

**The nominal suit weight is the total approximate weight of a jacket, pants, boots, gloves & hood. For comparison purposes only, actual weights may vary slightly.*

Style	Suit Type	Cert.	TPP ¹	Features
X10	Ultra-Lite Proximity	ISO 11612	9 - 11	<ul style="list-style-type: none"> • Jacket: Set-in sleeves, narrow collar, snap adjustments on sleeves • Pants: Sewn-in suspenders • Optional: Hood, boot covers, and gloves can be purchased separately. • The X10 Ensemble includes only jacket and pants.
X20	Lightweight Proximity	ISO 11612	27 - 31	<ul style="list-style-type: none"> • Jacket: Set-in sleeves with snap adjustments, narrow collar • Pants: Suspenders for adjustable length • Boot Covers: Velcro straps secure the cover behind the boot, designed to be worn over work boots • Hood: Hard cap with ratchet adjustment, full shoulder length drape • Gloves: Aluminized gloves with a leather palm, fleece lining • Also Included: Ballistic nylon duffel bag for storage • Optional: Pouch for SCBA, X30 boots can be substituted for X20 boot covers
X30	Industrial Proximity	ISO 11612	44	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, zipper & velcro storm fly, cinch at waist for athletic fit • Pants: Suspenders for adjustable length, adjustable cuff length • Boots: Easy-on design, adjustment straps for fit • Hood: Hard cap with ratchet adjustment, full shoulder length drape, elasticized underarm straps • Gloves: 3-finger gauntlet style gloves, ZetexPlus Palm • Also Included: Nomex® balaclava, Ballistic nylon duffel bag for storage
	Attack™ Proximity Firefighting	EN 1486: 2013	42	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, zipper & velcro storm fly, cinch at waist for athletic fit • Pants: Suspenders for adjustable length, adjustable cuffs • Boots: Easy-on design, adjustment straps for fit • Hood: Hard cap with ratchet adjustment, elasticized underarm straps, multi-layer laminated lens • Gloves: 3-finger gauntlet style, choice of ZetexPlus or leather palm • Also Included: Nomex® balaclava, ballistic nylon duffel bag for storage • Optional: Reinforced knees, pockets with flap closure
X40	Insulated Proximity	ISO 11612	146	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, zipper & velcro storm fly, cinch at waist for athletic fit • Pants: Suspenders for adjustable length, cinch on cuffs for adjustment • Boots: Easy-on design, adjustment straps for fit • Hood: Hard cap with ratchet adjustment, polycarbonate lens with gold film, full shoulder length drape, elasticized underarm straps • Gloves: 3-finger gauntlet with ZetexPlus palm • Also Included: Nomex® balaclava, ballistic nylon duffel bag for storage
X50	Short Duration Fire Entry	ISO 11612	271	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, double storm fly, • Pants: Suspenders for adjustable length, cuff gussets to simplify donning • Boots: Easy-on design, adjustment straps for fit • Hood: Hard cap with ratchet adjustment, dual-layer gold coated glass lenses, full shoulder length drape, Z-Flex underarm straps • Mitts: Aluminized mitt with a ZetexPlus palm • Also Included: Nomex® balaclava, ballistic nylon duffel bag for storage
	Kiln Maintenance	ISO 11612	271	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, double storm fly, ZetexPlus patches on elbows • Pants: Suspenders for adjustable length, cuff gussets to simplify donning, ZetexPlus patches on knees • Boots: Easy-on design, adjustment straps for fit, wooden sole • Hood: Hard cap with ratchet adjustment, dual-layer clear glass lenses, full shoulder length drape, Z-Flex underarm straps • Gloves: Aluminized mitt with a ZetexPlus palm • Also Included: Nomex® balaclava, ballistic nylon duffel bag for storage
X60	Advanced Fire Entry	ISO 11612	625	<ul style="list-style-type: none"> • Jacket: Pouch for SCBA, double storm fly • Pants: Suspenders for adjustable length, cuff gussets to simplify donning • Boots: Easy-on design, adjustment straps for fit • Hood: Hard cap with ratchet adjustment, dual-layer gold coated glass lenses, full shoulder length drape, Z-Flex underarm straps • Mitts: Aluminized mitt with a ZetexPlus palm • Also Included: Nomex® balaclava, ballistic nylon duffel bag for storage

Thermal Protective Performance (TPP)¹: The TPP test exposes samples to convective and radiant heat sources. The heat transferred through the test specimen is measured and used to calculate a tolerance time to 2nd degree burn. The levels of exposure are extreme in the TPP test scenario and are not representative of most real world scenarios. The test is intended to show relative protective values of the X Series suits in relation to each other.

Sizing: X10, X20, X30, and X40 suits come standard in Small, Medium, Large, and X-Large sizes. 2XL and custom sizes are available for an upcharge. X50 and X60 suits come standard in One Size Fits Most (up to XL); Custom sizes are available for orders of 5 or more, with upcharge.



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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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