

HIGH TEMPERATURE GLOVES & MITTS



Since 1978, Newtex Extreme Protective (NXP) has been a trusted leader in high temperature safety and protective clothing products. Our gloves and mitts are made from industry-leading, high performance Zetex[®], ZetexPlus[®], Z-Flex[®], and core spun aramid materials designed to withstand temperatures up to 2000°F / 1095°C while providing outstanding comfort, insulation, wear resistance, and protection from sparks and molten metal splash. All of the materials used in our gloves and mitts are woven from 100% inorganic fibers, so they will not produce hazardous outgassing. Premium stitching and quality wool or fleece liners make our gloves and mitts the best quality high temperature hand protection available.

Common Applications: Foundry and Casting Operations, Welding and Hot Works Operations, Glass and Ceramic Production, Power Generation, Petrochemical and Refining, Laboratory and Testing Facilities

Size & Length

Newtex hand protection comes in a "One Size Fits All" style. Our gloves and mitts are designed to fit loosely so that they can accommodate a wide audience and can be removed quickly in the event of an emergency. Some styles are available in 11", 14", or 23" lengths (28, 36, or 58 cm). The 14" length provides coverage just past the wrist, while the 23" length protects to the elbow. Custom lengths and constructions are available upon request with minimum order requirements.

Gloves vs. Mitts

Some styles of Newtex hand protection are available as either gloves or mitts. We recommend gloves for applications that require dexterity and mitts for applications in which additional heat protection, added comfort, and longer wear are important. Mitts are reversible, as either mitt can be worn on the left or right hand. If the palm of a mitt gets damaged, the wearer can flip the mitt and wear it on the opposite hand to extend the usable life of the product.

Zetex[®] | 100 Series

Essential protection to 1000°F / 540°C

Zetex[®] gloves and mitts provide high temperature protection for operating temperatures up to 1000°F / 540°C and intermittent temperatures up to 1300°F / 700°C. Zetex[®] gloves are available in 11", 14", or 23" lengths. A 14" Zetex[®] mitt and a 14" Zetex[®] glove with an aramid palm for enhanced abrasion resistance are also available.



*Pictured: Zetex 100 14" Gloves
Available in 11", 14", or 23" Lengths*



Zetex 100 14" Mitts



*Zetex 110 14" Gloves,
Aramid Palm*

ZetexPlus® | 200 Series

Additional heat and abrasion resistance

ZetexPlus® gloves and mitts feature a proprietary coating that dissipates heat across the surface of the fabric to support continuous operating temperatures up to 1500°F / 815°C and intermittent temperatures up to 2000°F / 1095°C. The ZetexPlus® coating also improves abrasion resistance. ZetexPlus® gloves and mitts are available with a double palm for longer duration temperature resistance, as a specialized investment caster mitt with additional insulation, or as overmitts designed to be worn over another pair of mitts for extended protection.



*Pictured: ZetexPlus 200 14" Gloves
Available in 11", 14", or 23" Lengths
or with a Double Palm in 14" or 23"*



*Pictured: ZetexPlus 220 23" Mitts
Available in 11", 14", or 23" Lengths
or with a Double Palm in 14" or 23"*



*ZetexPlus 250 14" Investment
Casters Mitts*



ZetexPlus 255 10" Overmitts

Z-Flex® Aluminized | 300 Series

Radiant heat and molten metal splash protection

Z-Flex® Aluminization protects from extreme temperatures, molten metal splash, and sparks while reflecting up to 95% of radiant heat. These gloves can be purchased with a leather palm (600°F / 315°C) for superior grip and dexterity or with a Zetex® palm (1000°F / 540°C) or ZetexPlus® palm (2000°F / 1095°C) for better resistance to direct contact with hot objects.



*Z-Flex 300 14"
Aluminized Gloves*



*Z-Flex X20 14" Aluminized
Gloves, Leather Palm*



*Z-Flex 301 14" Aluminized
Gloves, Zetex® Palm*



*Z-Flex 302 14" Aluminized
Gloves, ZetexPlus® Palm*

Core Spun AramidPlus | 400 Series

Abrasion, puncture, and heat resistance

Core Spun AramidPlus gloves are made from a core spun aramid fabric that combines the abrasion and cut resistance of aramid with the exceptional heat resistance of Zetex®. The fabric is treated with a proprietary ZetexPlus® vermiculite coating that causes heat to disperse evenly across the surface of the fabric, instead of through it. CS AramidPlus gloves withstand operating temperatures up to 1000°F / 540°C and peak temperatures up to 1200°F / 650°C.



CS AramidPlus 422 14" Gloves, Double Palm



Headquarters

8050 Victor-Mendon Road
Victor, NY 14564 USA

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

For nearly 40 years, Newtex has been a pioneer and leading global producer of high performance materials and engineered solutions for thermal management, heat shielding, 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.



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