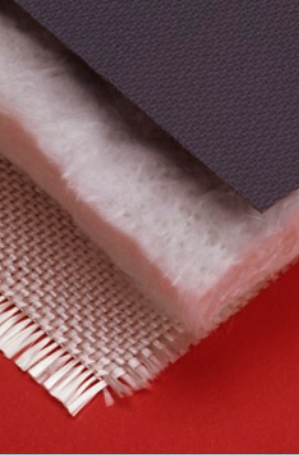


Insulation Fabrics

HIGH TEMPERATURE MATERIALS FOR FABRICATED SYSTEMS



Newtex provides a comprehensive line of innovative, high temperature fabrics, tapes, and tubing for producing removable insulation, expansion joints, and other fabricated systems. Our fabrics – which include the original Zetex® and ZetexPlus® brand names – have excellent cutting, sewing, and handling properties, support temperatures to 1090°C, and can minimize heat transfer while resisting weather, moisture, chemicals, and abrasion. We can help you to find the right product or can design a custom solution for your application.

Applications: Removable Insulation Blankets, Pads, and Covers, Fabric Expansion Joints, Tube Seals, Lagging, Fire Barriers, Thermal Curtains, Encapsulation, Pipe Insulation, Cable and Wire Insulation

Hot Side Materials (Facing)

Supporting temperatures to 1090°C, our facing materials provide an initial thermal barrier and protect the insulation layer from wear and abrasion. Heat cleaned Zetex meets MIL-C-20079 and MIL-I-24244.

Fabric	Features	Peak Temp	Weight Gr/Sq M	Width mm
Zetex or ZetexPlus	Essential thermal protection	540°C/1090°C	610, 810	1020, 1520, 1830
Zetex or ZetexPlus, with Wire*	Added wear resistance and heat dissipation	540°C/1090°C	810	1520
Z-Sil™ AR	High heat, chemical and wear resistance	1650°C	610, 810, 1220	910

Cold Side Materials (Exterior Jacketing)

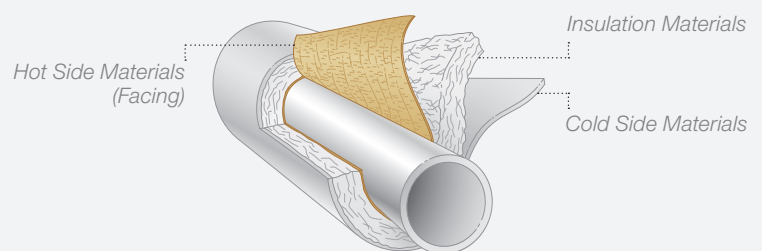
Our outer layer fabrics offer superior resistance to chemicals, heat, abrasion, and moisture, and are used to protect insulated pipes and equipment from environmental conditions and surrounding workers and facilities from heat and fire.

Fabric	Features	Peak Temp*	Weight Gr/Sq M	Width mm
Zetex Silicone Coated	Weather, water, and abrasion resistance	260°C	510, 580, 1080	1520
Zetex Teflon (PTFE) Coated	Tougher, more chemical resistant	260°C	420, 580, 610	1520
Zetex Aluminized	Heat reflection, chemical and moisture resistance, laminated film remains bonded when flexed	260°C/540°C	290, 610, 810	1020, 1420
Zetex Aluminum Foil	Heat reflection, chemical and moisture resistance	150°C/540°C	610, 810	1020, 1520
Zetex Aluminum Coated	Economical fabric for heat reflection	230°C/540°C	1190	1520
Zetex Aluminum Coated with Wire	Added tear and puncture resistance	230°C/540°C	1190	1520

*Peak temperature for coating/Peak temperature for base fabric

REMOVABLE INSULATION PAD COMPONENTS

Our comprehensive line of high temperatures textiles provides a complete solution for fabricating removable insulation blankets, pads, and covers for use in a broad range of applications and operating conditions.



Insulation Materials

Our insulation mats protect against heat gain or loss on pipes and equipment and won't outgas or deteriorate in harsh conditions, since they are made from chopped strand fibers needled together without the use of organic binders.

Fabric	Features	Peak Temp	Weight Gr/Sq M	Width mm
Zetex Glass Mat	High heat performance	540°C	100, 200, 510	1520
Z-Sil Silica Mat	Extreme heat performance	1650°C	340	970

Insulation Mats are available in 6, 13, and 25 mm thickness.

Fabrication Accessories

Newtex offers fabrication accessories including sewing thread with or without wire. Contact us for more information and for recommended suppliers of other accessories including drawstrings, hog rings, and tools.

Lagging and Insulation Facings

Our premium lagging and facing materials are used to provide thermal and acoustic insulation, encapsulation, and resistance to oil, water, and chemicals. Heat cleaned Zetex meets MIL-C-20079 and MIL-I-24244, and is available in Navy Red.

Fabric	Features	Peak Temp	Weight Gr/Sq M	Width mm
Zetex or ZetexPlus	All purpose fabric, optional oil and water resistance	540°C/1090°C	290, 410, 610	1020, 1520, 1830
Zetex Rewettable	Water-activated adhesive for ease of application and hardened paintable surface	540°C	290, 410	1520
Zetex Hullboard Fabric	Flame, moisture, and mildew resistance, durability	N/A	420	610, 910, 1220
Zetex Aluminum Foil	Heat reflection, chemical and moisture resistance	540°C	610, 810	1020, 1520
Zetex Filament Fabric	Acoustic insulation facing	540°C	200, 410, 440, 880	1020, 1220, 1520

Tapes and Tubing

Zetex Tapes are ideal for encapsulation, lagging, and insulation and can be wrapped around water and steam pipes, hydraulic lines, and auto exhaust. Zetex Tubing can be used to protect hydraulic or electrical lines, and as cable and wire insulation.

Fabric	Features	Peak Temp	Weight Gr/Sq M	Width* mm
Zetex or ZetexPlus Tape	Thermal protection for pipes and exhaust	540°C/1090°C	440-3900	13-305
Zetex Rewettable Tape	Hardened paintable surface	540°C	540	25-152
Zetex or ZetexPlus Tubing	Thermal protection for cable and wiring	540°C/1090°C	N/A	6-102

*Indicates inside diameter for Zetex Tubing

Note: Temperatures are rounded to the nearest 10°C, weights to the nearest 10 grams/square meter, fabric widths to the nearest ten millimeters, and tape/tubing widths to the nearest millimeter.



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As the most trusted name in the industry for over 25 years, Newtex is the pioneer and leading global producer of high temperature textiles for thermal management and fire protection. Our comprehensive product line includes the original Zetex® and ZetexPlus® brand names as well as heat and fire resistant fabrics, insulation fabrics, tapes, ropes, tubings, and safety clothing, which support a broad range of applications that include fire safety, welding protection, insulation systems, expansion joints, and gasketing.