NEWTEX

PERFORMANCE MATERIALS

ZETEX® STEEL™ WIRE REINFORCED FABRICS

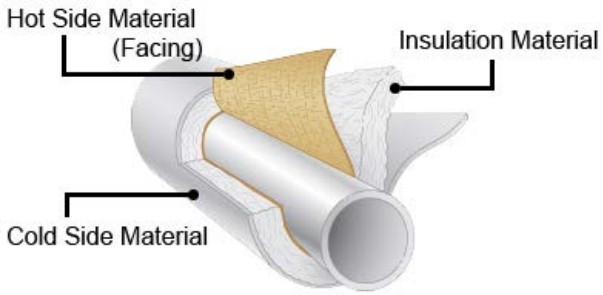
Newtex's Zetex® Steel™ wire reinforced fabrics provide superior strength, puncture resistance, and heat resistance. The wire keeps the weave strong, making these fabrics ideal for high vibration environments. The wire also works to dissipate heat across the fabric, improving temperature resistance, and making wire reinforced fabrics a good fit for extreme temperature environments. All Zetex® Steel™ wire reinforced fabrics are manufactured at Newtex's Victor, New York facility.

Common Applications: Removable Insulation Pads and Jackets, Turbine Blankets, Reactor Covers, Fire Curtains, Lagging, Fabric Expansion Joints, Gaskets and Seals, Welding and Equipment Protection, Fire and Heat Barriers

Common Applications

Wire Reinforced Fabrics Are Well-Suited for Extreme Environments

Wire reinforced fabrics are commonly used independently or as a part of a more extensive lay-up to fabricate turbine blankets, insulation for diesel engines, and other types of blankets or pads. The wire keeps the weave strong in high vibration environments and works to dissipate heat laterally. When used as part of a lay up, the wire reinforced fabric is often used as the hot side material, situated closest to the heat source.



Key Benefits of Wire Reinforced Fabrics

- Strength & Durability
- Puncture & Abrasion Resistance
- Vibration Resistance
- Superior Dissipation of Heat / Heat Resistance

Our Competitive Advantage

Superior Quality Wire Reinforced Fabrics

Zetex® Steel™ wire reinforced fabrics are stronger and more durable than competitive fabrics. We ply multiple stainless steel wires with each strand of texturized fiberglass yarn and then use those wire reinforced yarns in both the warp and weft directions of the fabric. We also use a finer wire than many other manufacturers. The fine wire is less likely to kink and has greater flex fatigue resistance. Our intensive manufacturing process and superior input materials result in a stronger, more durable product.

Coating & Treatment Options for Wire Reinforced Fabrics	• ZetexPlus® vermiculite coating increases temperature resistance to 2000°F / 1095°C and improves abrasion resistance. • Z-Block™ polyurethane coating increases heat resistance to 1800°F / 980°C and improves abrasion, moisture, and flame resistance. • Z-Shield™ acrylic coating resists temperatures up to 1000°F / 540°C and resists abrasion, slag, and burn-through. • Regular Treatment (RT) improves weave set and reduces skin irritation.

Zetex® Steel™ Wire Reinforced Fabrics

Style	Max. Temperature		Weight		Thickness	
	F°	C°	oz/yd²	g/m²	mils	mm
Zetex A-820 60” Wire	1000°F	540°C	24	814	45	1.14
ZetexPlus A-820 60” Wire	2000°F	1095°C	26	882	53	1.35
Z-Block A-820 60” Wire	1800°F	980°C	36.5	1238	65	1.65
Zetex A-1220 60” Wire	1000°F	540°C	34	1153	75	1.90
Zetex A-1220 60” Wire, Regular Treatment	1000°F	540°C	35	1187	75	1.90
ZetexPlus A-1220 60” Wire	2000°F	1095°C	36	1221	70	1.78
Z-Shield A-1220 60” Silver Wire*	1000°F	540°C	39	1322	72	1.83

** Z-Shield Steel A-1220 60” Silver is coated with Z-Shield acrylic on 1 side. The backside of the fabric is uncoated.*

Zetex®, ZetexPlus®, and Z-Block™ Steel™ wire reinforced fabrics are commonly used to make fabric expansion joints. The wire ensures that the expansion joints remain in tact despite being subject to repetitive movement.

Proscenium fire curtains for theaters and auditoriums are often made with ZetexPlus® Steel™ wire reinforced fabric for extended protection in the event of a fire. The wire significantly improves the strength of the fabric which can weaken when exposed to flame. Z-Block™ Steel™ wire reinforced fabrics are often used to fabricate fire curtains for commercial buildings.

NEWTEX

Headquarters

8050 Victor Mendon Road
Victor, NY 14564 USA

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

03/2017

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.

Newtex, Zetex, Z-Flex and ZetexPlus are registered trademarks of Newtex Industries, Inc.