



Your One Stop Shop for Custom, High
Temperature Fabrication & Roll Goods

The HS product line is a budget friendly option for preheat pads as well as sleeves with quick lead times.

HS-9-E



1" or 1/2" thick insulation mat, encased in fiberglass fabric (1000°F).

COMMON APPLICATIONS:

Preheat pads, insulated cable/coil covers (sleeves), heat shields and kneeling pads.

PREHEAT OPTIONS:

1" Thick; custom sizes available upon request

STOCK SIZES:

1"x6"x10'	\$30
1"x6"x20'	\$60
1"x12"x10'	\$60
1"x 12"x20'	\$120
Typical roll size for custom pads: 1"x24"x25' long and 1"x15"x25' long	



SLEEVE OPTIONS WITH VELCRO

Sleeves are available in the following preset sizes:

30'	\$50
40'	\$66
50'	\$85
60'	\$100
70'	\$116
80'	\$135

HS-9-AL



Insulated pipe wrap and heat shields, 1" thick with an aluminumized face on both sides. Custom sizes available upon request.

Typical full roll size is 40"x25'. Cut to size on the work-site.

PREHEAT OPTIONS:

1" Thick; custom sizes available upon request

STOCK SIZES:

1/2"x6"x10'	\$15
1/2"x6"x20'	\$30
1/2"x12"x10'	\$30
1/2"x 12"x20'	\$60
Typical roll size for custom pads: 1/2"x24"x25' long and 1/2"x15"x25' long	

Silica Needled Mat (SNM)



Best suited for applications up to 1800°F & above

Our high temperature silica needled mat (SNM) is a "no shot" mat, not itchy, made with a non-respirable fiber with diameters of ≥ 6-9 microns, randomly orientated into a uniform blanket. Offered in 1/8", 1/4", 1/2", and 1" thicknesses.

DETAILS:

Silica Needled Mat is highly durable and offers multiple reuses. SNM offers excellent thermal conductivity, is resistant to most chemicals and is best suited for applications seeing up to 1800F steady state temps (melting temperature 3100F)

Pyro Shield has the ability to outgas our silica needled mat on site, in our custom furnaces, to eliminate any shrinkage while on the job site. There are no special disposal requirements for silica needled mat.

Silica needled mat offers extreme vibration resistant properties allowing it to be used for engine exhaust jacketing, turbo covers and silencers. Silica Needled mat is a great replacement for ceramic fiber.

APPLICATIONS:

- Gaskets and seals (annealing seals, tadpole gaskets)
- Insulation for industrial furnaces and kilns
- Insulation for thermal blankets, PWHT blankets
- Removable insulation pads
- Insulated sleeving
- Sound suppression curtains

Fiberglass Mat (ENM)



Best suited for applications of 1200°F and below.

Our E-glass mat (ENM) is an incombustible, needled fiberglass mat composed of 100% "E" type glass fibers 9-13 microns in diameter, that are composed in a web form and mechanically needled together without chemical binders. Our E-glass mat is non-respirable and asbestos free. Offered in 1/8", 1/2" and 1" thicknesses. Offered as a roll and cut to size.

DETAILS:

E-glass is an effective, low cost replacement for asbestos mats, millboard ceramic or refractory fiber paper, and mineral fiber boards.

E-glass mat has vibration resistant properties allowing it to be used for engine exhaust jacketing, turbo covers and silencers.

APPLICATIONS:

- Removable insulation covers
- Sound suppression curtains
- Heat shields
- Gasket material
- Insulation blankets
- Insulated pipe wrap
- Seals in the glass industry, oven insulators, industrial furnaes, boilers and kilns.

BB Board



BB Board mat is composed of our 1/2" silica needled mat on the hot side and an aluminized face on the cold side.

DETAILS:

BB Board is very durable and was designed to insulate and conform to most shapes while rejecting heat.

The texturized aluminum coating on one side will reflect heat up to 1200°F, is waterproof and will hold its shape on most any application.

BB Board is offered in sheets of 39" x 47 1/2" and rolls 39" x 65". Custom sizes and cut to size are also available.

APPLICATIONS:

This a perfect wrap for:

- Pipe wrap
- Liners
- Removable blankets
- Flanges and valves
- Equipment covers
- Ideal for die cutting needs including disc like shapes

MATERIAL NAME	TEMPERATURE	COATING
E-Glass Mat	1,200°F & Below	Uncoated
Silica Needled Mat (SNM)	Melting Temperature: 3,100°F Temperature Resistance: 1,800°F Steady State	Uncoated
PS-BB Board	Temperature Resistance: Aluminized Side: 1,200°F Silica Needled Mat: 1,800°F	Aluminum coating on backside

Preheat Blankets

Preheating reduces the risk of cracking in weld metal and heat affected zones. Our stocked preheat blankets and pads are offered as a 1/2" thick blanket, 6" and 12" wide x 10' and 20' lengths. All multi-layered preheat blankets are made with cut lines to allow a cut on the job site for quick resizing without fray.

All of our preheat blankets are fabricated with our high-quality fiberglass fabric, best suited for steady state temps of 1000°F and below.

We also offer custom sized preheats blankets to fit your needs.

STOCK SIZES:

PS-PRH-6.120	Pre-Heat 1/2"x6"x120"
PS-PRH-6.240	Pre-Heat 1/2"x6"x240"
PS-PRH-12.120	Pre-Heat 1/2"x12"x120"
PS-PRH-12.240	Pre-Heat 1/2"x12"x240"
We also offer custom sized preheats blankets to fit your needs.	

Post Weld Heat Treat Blankets (PWHT)



Designed to be reusable up to 50 thermal cycles per blanket, our insulation blankets/PWHT are best suited for steady state temperatures of 1800F, max temp 2300F, (melting temp 3100F).

Pyro Shields sewn blankets encapsulate our insulation mat to reduce dust particles typically associated with other insulating materials.

Offered in stock sizes with custom sizes available upon request. Stock Blankets Are 1" Thick (See right)

PART NUMBER	DESCRIPTION	PIPE DIAMETER
PS-IB-12.15	Blanket Size 12" x 15"	2.5"
PS-IB-12.21	Blanket Size 12" x 21"	4"
PS-IB-12.26	Blanket Size 12" x 26"	5"
PS-IB-12.30	Blanket Size 12" x 30"	6"
PS-IB-18.34	Blanket Size 18" x 34"	7"
PS-IB-18.38	Blanket Size 18" x 38"	8"
PS-IB-18.43	Blanket Size 18" x 43"	10"
PS-IB-18.49	Blanket Size 18" x 49"	12"
PS-IB-18.54	Blanket Size 18" x 54"	14"
PS-IB-18.58	Blanket Size 18" x 58"	16"
PS-IB-24.67	Blanket Size 24" x 67"	18"
PS-IB-24.73	Blanket Size 24" x 73"	20"
PS-IB-24.76	Blanket Size 24" x 76"	21"
PS-IB-24.79	Blanket Size 24" x 79"	22"
PS-IB-24.85	Blanket Size 24" x 85"	24"
PS-IB-24.91	Blanket Size 24" x 91"	26"
PS-IB-24.98	Blanket Size 24" x 98"	28"
PS-IB-24.105	Blanket Size 24" x 105"	30"
PS-IB-24.112	Blanket Size 24" x 112"	32"
PS-IB-24.126	Blanket Size 24" x 126"	36"
PS-IB-24.140	Blanket Size 24" x 140"	40"

PWHT/Slow Cooling Custom Blankets

PWHT/slow cooling custom blankets are the ideal solution to eliminate welding cracks while welding on pipe. Rapid cooling can create cracks in a pipeline, especially when exposed to wind, drafts, rain and snow. Pyro Shield's slow cool blankets are designed to gradually lower the temperature of welded metal pipes to prevent hydrogen cracking. Our slow cool blankets are also used as a protective measure to prevent workers from burning themselves.

Our Pyro Shield slow cool blankets can be custom made to fit your application and offer you the best, most cost-effective solution while eliminating skin-irritating, and unfriendly fiberglass insulation. Pyro Shield also offers an open wrap which allows you to easily wrap around drill collars and secured with straps. These wraps can also be lined with stainless steel wire mesh to extend the life of your wrap and protect the silica fabric from wearing overtime.

We also offer a closed end bag designed to easily slip over the tool joint and secures in place with Velcro straps, ties or d-rings. Our Pyro Shield slow cooling bag can be lined with stainless steel wire mesh to help extend the life of the bag and to protect the silica fabric from wearing overtime.

SIZE

Our slow cooling blankets are customized to meet your company's individual needs.

DETAILS

- Heat and Weather Resistant
- Mildew Resistant
- Silica liner rated up to 1800°F (Steady State) and 3100°F Intermittently
- Additional Protective Liner Stainless Steel Mesh

Protective Insulation & Abrasion Sleeves



Pyro Shield offers a variety of custom and stock sleeves for cable covers, festoon cables, and wire bundles. Our sleeves will protect your application from abrasion, extreme heat, sparks, ash, and molten splash.

Offered in a variety of styles, Pyro Shield offers sleeves with and without insulation mat.

We provide options for closure including Velcro, lacing anchors, grommets with tie wire, sewn on sleeves and zip ties.

STOCK UNINSULATED SLEEVE, CABLE COVER WITH VELCRO FOR CLOSURE

PS-SLV.30	Sleeve, Cable Cover 30'
PS-SLV.50	Sleeve, Cable Cover 50'
PS-SLV.80	Sleeve, Cable Cover 80'
PS-SLV.140	Sleeve, Cable Cover 140'

REMOVABLE INSULATION COVERS & PIPE WRAPS



Pyro Shield's removable insulation blankets and pipe wraps are fabricated to help protect your applications against abrasion, oil, moisture, vibration and heat loss. Our blankets help reduce thermal loss to lower your energy bill.

DETAILS:

- Reduces energy costs
- Personnel protection
- Reduces heat loss
- Sound reduction
- Heat retention
- Freeze protection
- Easy maintenance
- Temperature regulation

APPLICATIONS:

- Exhaust manifolds
- Turbos on heavy diesel engines
- Manways
- Valves and flanges
- Furnace and oven curtains to protect workers and equipment from heavy heat and molten metal splash
- Portable jumper lines
- Outdoor pumps and transfer lines
- Heat exchangers
- Portable tanks and more

Heat Shield/Torch Guard



"No tool box is complete without the Pyro Shield torch guard."
- Shawn Heer, President of BK Plumbing

Max operating temperature is 1800°F.

Ideal for welding, brazing and soldering by using propane, MAPP gas and oxy-acetylene, the Pyro Shield torch guard is designed for commercial, industrial, and residential applications where protection from torch flame and heat is key.

Made of high temperature, coated silica fabric, the Pyro Shield torch guard is reusable and has seen 100+ uses from one guard. Max operating temperature is 1800°F. Made with or without a slit for draping around pipes.

Welding Chairs



Designed to be comfortable in awkward places, our welding chair allows you to be comfortable while welding in spaces that are cumbersome to reach.

Made with durable fabrics that can withstand up to 2300°F, our chairs are customizable, offering stainless steel wheels, adjustable positions and a rocker style to lean back and under tight spaces.



Welding Knee Pads



Staying comfortable while on the job site is an important part of doing a great job.

Our Pyro Shield kneeling pads and welding chairs were developed when we received a request from a customer asking if there was anything out there to make their workers more comfortable while welding in odd spots.

Fabricated to meet your needs while using our high temperature fabrics and mat, we created the welding and kneeling pad and welding chair.

Protects from heat, sparks and welding slag, can be used in tight and hard to reach spaces, resistant to temps of up to 1200°F/2300°F intermittently.

Welding Blankets/Curtains: FIRE BLANKET



Pyro Shield offers high performing, reusable fire and welding curtains. Sewn with silica fabric: 18 or 36 ounce, PTFE (Teflon coated), or other coated fiberglass. Our welding curtains are offered in standard and custom sizes to fit your needs and budget.

We can also customize your curtains to include grommets for hanging when needed. Made with our heavy duty fabric that will not irritate the skin while protecting against sparks and splatter.

Re-usable, steady state temp of 1000°F to 1800°F. Higher temps for intermittent periods of time.

Induction Blankets



Pyro Shield offers custom made induction blankets, fabricated with our durable, high temperature fabrics and mats, to take on the tough conditions seen in a variety of industrial and construction areas.

Unlike methods of past, our induction blankets are fabricated with tabs to allow a user the ability to re-configure coils, use different size coils, all without the use of peg board and zip ties.

Induction blankets are easy to set up, cost effective, eliminates the use of open flame and custom-made to fit a variety of pipe diameters.

Furnace Modules

Our silica fiber furnace modules are made with pre-shrunk silica needled mat (SNM). Temperature rating of 1,800°F - 2,300°F.

Fabricated to size, our modules can be set or mounted with a variety of anchoring systems. Pyro Shield modules provide thermal lining and reduces risk of hot spots and lining failures.

APPLICATIONS:

- Stress relieving furnaces
- Annealing furnaces
- Heat treating furnaces
- Kilns and boiler linings
- Soaking pits
- Forge furnaces



Annealing Seals



Pyro Shields custom made annealing seals are designed to prevent HNX gases from escaping and to prevent oxygen from entering, therefore eliminating blue steel.

Made from our Pyrosil (Silica Needled Mat/SNM), we custom fabricate your seals to meet the sizes required, and to withstand the abrasion and heavy wear and tear that seals can see when entering the annealing process.

DETAILS

- Ceramic free.
- Reduces HNS gas loss.
- Eliminates airflow and oxygen from entering.
- Made with abrasion resistant materials and/or stainless steel wire mesh.
- Easy to install and maintain.

OPTIONS

- Abrasion resistant fabrics
- Stainless steel wire mesh collars
- Aluminized coverings.

Tadpole Gaskets and Door Seals



Sealing under pressure? Used as furnace door seals, fume seals, seals for fireplaces, kilns and furnaces, and on emission control equipment, Pyro Shield fabricates tadpole gaskets that are designed for applications that require flexibility and pristine sealing properties while seeing pressure and conforming to uneven surfaces. Ultimately, stopping airflow and encouraging resistance to the abrasion from metal on metal. Custom made to meet your needs. Reduce heat loss, prevent air from penetrating into the ovens, and minimize labor costs.

USES:

- Furnace door seals
- Fume seals
- Seals for fireplaces
- Kilns and furnaces
- Emission control equipment

OPTIONS

- Our tadpole seals can be made with coated fabrics, fiberglass, high temperature mats and fabrics, SS wire mesh, or an inner mesh core.
- Custom made to sizes (bulb x tail x length).

Flat Stack Seals



Pyro Shield seals last much longer than most. Our seals are made with high density insulation mat to stop air flow and prevent abrasion with metal on metal contact.

Made with high temperature silica materials and encapsulated with wire mesh on the outside, our flat stack gaskets are re-usable and cost effective.

Used for uneven flanges and bases, made with our 9-10 pound density, non-carcinogenic, no shot mat to eliminate air passing through.

Trough (DAM) Gaskets



Designed and fabricated using our finest fabrics and mats, Pyro Shield's trough gaskets ensure a tight fit and protects against both leakage and loss of molten metal between trough sections.

Our trough gaskets are cost effective, resistant to molten aluminum, provides a nice tight seal and easy to install, repair or replace.

Rope Seals



Pyro Shield offers a variety of asbestos-free, non-carcinogenic ropes and gaskets to meet your needs, styles, and requirements.

Our seals and ropes minimize costs that are typically associated with energy loss, maintenance and downtime.

Freeze Protection Blankets



With many unpredictable weather conditions, it is critical that your equipment and work areas be protected from freezing in the winter months. Pyro Shields freeze protection blankets are energy efficient and a cost effective freeze protection solution for even the harshest outdoor environments. The outside of our Pyro Shield freeze protection blanket is made of heavy duty, weather repellant, silicone rubber coated fabric or Teflon coated fabric with a 1/2", 1" or thicker insulation mat inside. Offered with grommets, Velcro or lacing pins for easy closure. Our Pyro Shield freeze protection blankets are a reusable, cost effective solution to insulate pipes, hoses, tanks and areas that need protection from the cold, harsh weather.

COVER:

- Wellheads
- Pipes
- Pumps
- Valves
- Manifolds
- Baghouses
- Tanks
- Hoses
- Other Miscellaneous Equipment

Acoustical Curtains



Pyro Shield acoustical blankets are designed to absorb sound to reduce noise. Most often, our fiberglass fabrics and mats are used to control sound and noise in industrial, manufacturing and construction areas, however, they have also been used in a variety of private, residential and commercial settings. While properly installed sound blankets and curtains will noticeably reduce noise, they will not eliminate it entirely.

High Temperature Fabrics:



MATERIAL	COATING	OPERATING TEMPERATURE
1400	Uncoated	1,800°F
1800	Vermiculite	1,800°F
3500	Vermiculite	1,000°F
3600	Vermiculite	1,800°F
HB32	Vermiculite	1,900°F
BB Board	Aluminized Face on One Side	1,000/1,800°F
1400V	Vermiculite	1,800°F
GR4E	Uncoated	1,022°F

1400 (Uncoated Silica Fabric)



ABOUT THE FABRIC

Weave	Plain
Coating	Uncoated
Width (Typical)	36" - 39"
Mass-Area Ratio	1400 g/m ² +/- 140 g/m ²
Thickness	1.4mm
Temperature Resistance	1800°F Steady State
Content of Main Components	SiO ₂ : 98.0% +/- 1.0%
Mass Fraction of Na ₂ O	Not more than 0.8%
Yarn Count (cm)	Warp: 12cm + 1cm Weft: 6cm +/- 1cm

COMMON APPLICATIONS

- Industrial blankets
- Tadpole gaskets
- Seals (Anneal)
- Fire blankets and curtains
- Expansion joints, protection curtains from molten metal splashes and sparks, and PWHT pads
- Welding blankets
- Heat protection for exhaust systems

CUSTOM FABRICATION

Stock sizes not meeting your needs? Pyro Shield specializes in custom fabrication to meet your requirements. There is no job too big or too small for our creative team!



3500 Fiberglass Fabric (Uncoated)



ABOUT THE FABRIC

Weave	Plain weave, heavy weight fiberglass with abrasion resistant qualities
Color	White
Coating	Uncoated
Width	40" - 60"
Weight	35oz/yd ² +/- 10% oz/yd ²
Thickness	0.560in +/- 10%in
Temperature Resistance	1000°F
Count	Warp: 10 ends/inch Fill: 9 ends/inch
Trapezoidal Tear	Warp: 50lbs. Fill: 30lbs.

COMMON APPLICATIONS

- Welding blankets
- Preheat pads
- Fabricated insulation blankets
- Removable covers
- Insulation pads

1400V (Vermiculite Coated Silica Fabric)



ABOUT THE FABRIC

Weave	Plain
Coating	Vermiculite
Color	Tan
Width	36"
Mass-Area Ratio	1400 g/m ² +/- 140 g/m ²
Thickness	1.4mm
Temperature Resistance	1800°F Steady State
Content of Main Components	SiO ₂ : 98.0% +/- 1.0%
Yarn Count (cm)	Warp: 12cm + 1cm Weft: 6cm +/- 1cm

COMMON APPLICATIONS

- Industrial blankets
- Fire blankets and curtains
- Heat shields and torch guards
- Expansion joints
- Protection from molten metal splashes and sparks
- Welding blankets
- Kneeling pads

GR4E Fiberglass Fabric (Uncoated)



ABOUT THE FABRIC

Weave	Plain heavy weight, fiberglass with great abrasion resistant qualities
Coating	Uncoated
Color	White
Width	39" - 40"
Weight	59.0 oz/yd ²
Thickness	3.2in
Temperature Resistance	1022°F with softening temp of 1544°F
Yarn Count	Warp: 500 Weft: 820
Tensile strength (lbs./in)	Warp: 787 Weft: 820

COMMON APPLICATIONS

- Blanket and pads in the aerospace industry
- Abrasion prone areas and applications that see rugged conditions
- Expansion joints, misc. curtains and pads

1800 (Vermiculite Coated Silica Fabric)



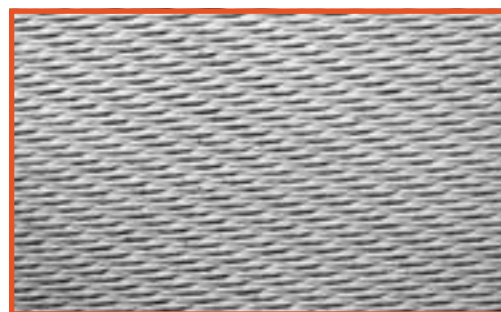
ABOUT THE FABRIC

Weave	Satin
Coating	Vermiculite
Color	Tan
Weight	18oz/yd ² +/- 10% oz/yd ²
Width	36"
Thickness	0.028" +/- 10%
Temperature Resistance	Steady State: 1800°F Melting Temp: 3000°F
Content of Main Components	SiO ₂ : 95.0% +/- 1.0%
Tensile Strength (lb./in.)	Warp: 560lb./in. Weft: 350lb./in.

COMMON APPLICATIONS

- Insulation pads and blankets
- Fire blankets
- Welding blankets
- Slow cool covers
- Welding curtains fire blanket

3600 (Vermiculite Coated Silica Fabric)



ABOUT THE FABRIC

Weave	Satin
Coating	Vermiculite
Color	Tan
Mass per unit area (oz/yd ²)	36oz/yd ² +/- 0.902oz/yd ²
Thickness	0.054 in +/- 0.003in
Temperature Resistance	Steady State: 1800°F
Content of Main Components	SiO ₂ : 95.0% +/- 1.0%
Thread Count	Warp: 48.3 in +/- 2.5 in Weft: 35.6 in +/- 2.5 in
Tensile strength (lbs./in)	Warp: 319.8lbs./in. Weft: 217lbs./in.

COMMON APPLICATIONS

- Insulation pads and blankets
- Valve covers
- Fire blankets
- Curtain material
- Heat shields
- Welding curtains
- Scaffold protection
- Fire blanket generator covers
- Slow cool covers

BB Board (One Side Aluminized)



ABOUT THE FABRIC

Insulation	Silica needled mat (SNM) insulation with aluminum coating
Color	Mat is white; Aluminized face is silver
Coating	One side aluminized
Content of Main Components	SiO ₂ : 98.0%
Temperature Resistance	Aluminized Face: 1000°F Silica Side: 1800°F
Roll Size	36 1/2" x 65"
Sheet Size	36 1/2" x 47 1/2"
Thickness	1/2"

COMMON APPLICATIONS

Designed to insulate and conform to most shapes to reflect heat.

- Covers for flanges and valve equipment
- Oven liners
- Door seals
- Slow cool blankets
- Pipe wrap
- Die cutting pieces
- HVAC wrap
- Appliance insulation

HB32 (Vermiculite Coated Silica Fabric)



ABOUT THE FABRIC

Weave	Broken twill
Coating	Vermiculite
Color	Tan
Width	60"
Thickness	0.045in.
Weight	32oz/yd ²
Temperature Resistance	Steady State: 1900°F Melting Temp: 3000°F
Tensile Strength	Warp: 610lbs. Weft: 346lbs.
Content of Main Components	SiO ₂ : > 95.0%
Thread Count	Warp: 45.7" +/- 2.5" Weft: 25.4" +/- 2.5" in"

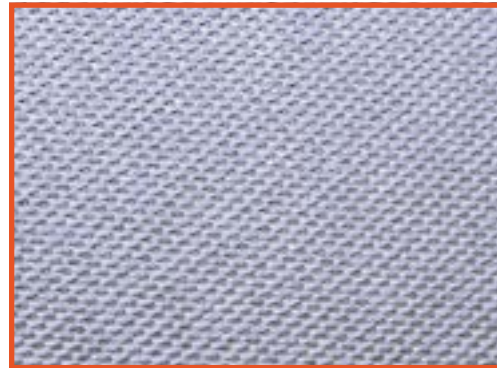
COMMON APPLICATIONS

- Welding and furnace curtains
- Insulation blankets
- Gaskets
- PWHT and slow cool blankets, wraps, etc.

COATED FABRICS

MATERIAL	COATING	OPERATING TEMPERATURE
1700	Silicone rubber coated	Base fabric: 1000°F Coating: 500°F
3200	Silicone rubber coated	Base fabric: 1000°F Coating: 500°F
GR2-SRC	Silicone rubber coated one side	Base fabric: 1000°F Coating: 500°F
1400V	Vermiculite coated	1,800°F
1800	Vermiculite coated	1,800°F
3600	Vermiculite coated	1,800°F
HB32	Vermiculite coated	1,900°F
2025AL	Aluminized coated, one side	350/1,000°F
BB Board	Aluminized coated, one side	1000/1,800°F
PTFE	Teflon coated	600°F
2523S	Acrylic coated/Salmon color	300°F
2800 E	Acrylic coated/Yellow color	1000°F
2200 Kevlar	Coated aramid fiber blend	600°F

17oz. Silicone Rubber Coated Fiberglass



ABOUT THE FABRIC

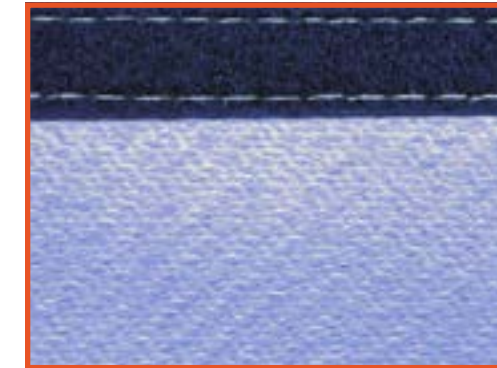
Weave	Satin
Coating	Impregnated flame resistant silicone rubber coating
Color	Various
Width (Typical)	60"
Weight	17oz./yd ² +/- 1.5oz.
Thickness	.03" +/- .0015"
Temperature Range	-70°F to 1000°F (base fabric) 1000°F/coating 500°F
Tensile Strength	Warp: 300lbs./in. min. Fill: 250lbs./in. min.
Tear Strength	Warp: 50lbs./in. min. Fill: 40lbs./in. min.

COMMON APPLICATIONS

Water, oil and abrasion resistant. Lightweight and easy to sew or cut.

- Flange and valve covers
- Removable insulation blankets, sleeves, insulation pads
- Welding blankets
- Welding curtains

GR2-SRC Fiberglass Fabric/One Sided Coated Gray



ABOUT THE FABRIC

Weave	Twill
Coating	Fiberglass fabric with a special, high temperature silver silicone coating on one side (gray)
Base Fabric Weight	36oz./yd ² +/- 10%
Weight with Coating	45oz./yd ² +/- 10%
Thickness	0.05" +/- 10%
Temperature Resistance	Base fabric: 1000°F (Silicone coating: 700°F)

COMMON APPLICATIONS

- Welding blankets
- Expansion joints
- Protective sleeves & covers
- Flange covers
- Removable insulation blankets

32oz. Silicone Rubber Coated Fiberglass



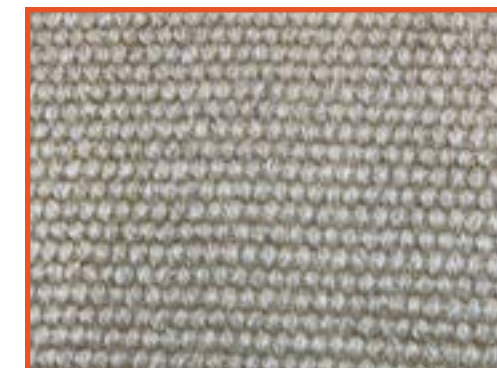
ABOUT THE FABRIC

Weave	Satin
Coating	Impregnated flame resistant silicone rubber coating
Color	Various
Width (Typical)	60"
Weight	32oz./yd ² +/- 3oz.
Thickness	0.032" +/- .003"
Temperature Range	-70°F to 1000°F (base fabric/coating 500°F)
Tensile Strength	Warp: 400lbs./in. min. Fill: 350lbs./in. min.

COMMON APPLICATIONS

- Flange covers
- Removable insulation covers
- Equipment covers
- Protective sleeves for cable and coils
- Spatter protection
- Misc. equipment covers

1400V (Vermiculite Coated Silica Fabric)



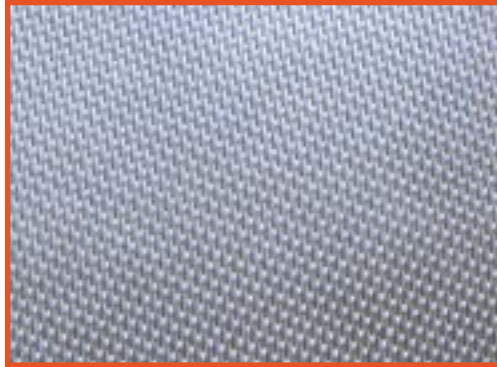
ABOUT THE FABRIC

Weave	Plain
Coating	Vermiculite
Color	Tan
Width	36"
Mass-Area Ratio	1400 g/m ² +/- 140 g/m ²
Thickness	1.4mm
Temperature Resistance	1800°F Steady State
Content of Main Components	SiO ₂ : 98.0% +/- 1.0%
Yarn Count (cm)	Warp: 12cm + 1cm Weft: 6cm +/- 1cm

COMMON APPLICATIONS

- Industrial blankets
- Fire blankets and curtains
- Heat shields and torch guards
- Expansion joints
- Protection from molten metal splashes and sparks
- Welding blankets
- Kneeling pads

1800 (Vermiculite Coated Silica Fabric)



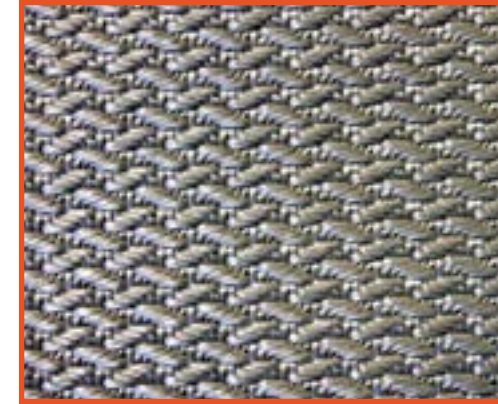
ABOUT THE FABRIC

Weave	Satin
Coating	Vermiculite
Color	Tan
Weight	18oz/yd ² +/- 10% oz/yd ²
Width	36"
Thickness	0.028" +/- 10%
Temperature Resistance	Steady State: 1800°F Melting Temp: 3000°F
Content of Main Components	SiO ₂ : 95.0% +/- 1.0%
Tensile Strength (lb./in.)	Warp: 560lb./in. Weft: 350lb./in.

COMMON APPLICATIONS

- Insulation pads and blankets
- Fire blankets
- Welding blankets
- Slow cool covers
- Welding curtains fire blanket

HB32 (Vermiculite Coated Silica Fabric)



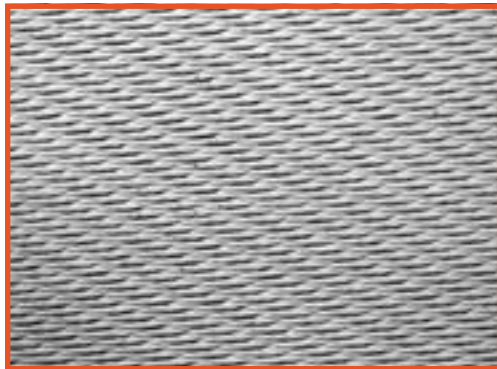
ABOUT THE FABRIC

Weave	Broken twill
Coating	Vermiculite
Color	Tan
Width	60"
Thickness	0.045in.
Weight	32oz/yd ²
Temperature Resistance	Steady State: 1900°F Melting Temp: 3000°F
Tensile Strength	Warp: 610lbs. Weft: 346lbs.
Content of Main Components	SiO ₂ : > 95.0%
Thread Count	Warp: 45.7" +/- 2.5" Weft: 25.4" +/- 2.5" in"

COMMON APPLICATIONS

- Welding and furnace curtains
- Insulation blankets
- Gaskets
- PWHT and slow cool blankets, wraps, etc.

3600 (Vermiculite Coated Silica Fabric)



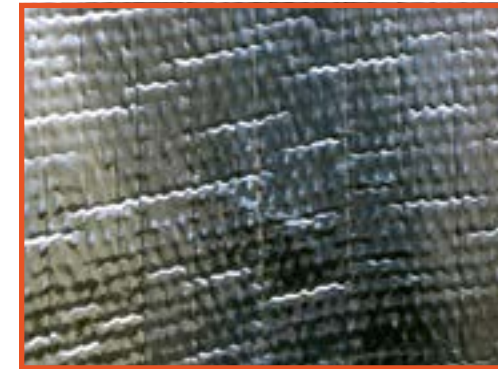
ABOUT THE FABRIC

Weave	Satin
Coating	Vermiculite
Color	Tan
Mass per unit area (oz/yd ²)	36oz/yd ² +/- 0.902oz/yd ²
Thickness	0.054 in +/- 0.003in
Temperature Resistance	Steady State: 1800°F
Content of Main Components	SiO ₂ : 95.0% +/- 1.0%,
Thread Count	Warp: 48.3 in +/- 2.5 in Weft: 35.6 in +/- 2.5in
Tensile strength (lbs./in)	Warp: 319.8lbs./in. Weft: 217lbs./in.

COMMON APPLICATIONS

- Insulation pads and blankets
- Valve covers
- Fire blankets
- Curtain material
- Heat shields
- Welding curtains
- Scaffold protection
- Fire blanket generator covers
- Slow cool covers

2025 Fiberglass Aluminized One Side



ABOUT THE FABRIC

Weave	Plain Weave Fiberglass
Coating	Aluminized one side coating
Color	One side aluminized, one side tan
Weight	19.5oz./yd ² +/- 10%
Thickness	0.026" +/- 10%
Temperature Resistance	Aluminized face: 600°F Base fabric: 1000°F
Burst Strength	550psi
Tensile Strength	Warp: 250lbs./in.Fill: 250lbs./in.
Tear Strength	Warp: 50lbs.Fill: 50lbs.

COMMON APPLICATIONS

- Flange covers
- Reflective curtains and shields
- Tadpole seals
- Heat shields
- Protective sleeves

BB Board Aluminized One Side



ABOUT THE FABRIC

Insulation	Silica needled mat (SNM) insulation with aluminum coating
Color	Mat is white; Aluminized face is silver
Coating	One side aluminized
Content of Main Components	SiO2: 98.0%
Temperature Resistance	Aluminized Face: 1000°F Silica Side: 1800°F
Roll Size	36 1/2" x 65"
Sheet Size	36 1/2" x 47 1/2"
Thickness	1/2"

COMMON APPLICATIONS

Designed to insulate and conform to most shapes to reflect heat.

- Covers for flanges and valve equipment
- Oven liners
- Door seals
- Slow cool blankets
- Pipe wrap
- Die cutting pieces
- HVAC wrap
- Appliance insulation

2523 Fiberglass (Acrylic Coating)



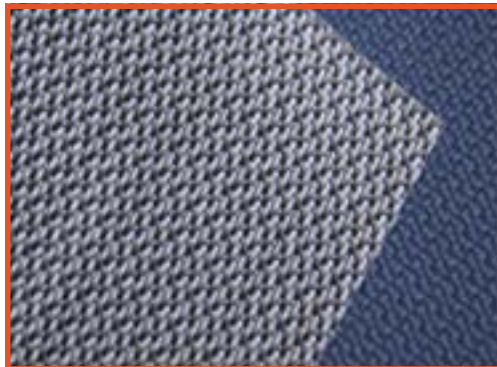
ABOUT THE FABRIC

Weave	Plain
Color	Salmon
Weight	16.5oz./yd ² +/- 10%
Thickness	.016" +/- 10%
Temperature Resistance	0°F to 300°F
Burst Strength	475psi
Tensile Strength	Warp: 300lbs./in. Fill: 250lbs./in.
Tear Strength	Warp: 35lbs. Fill: 30lbs.

COMMON APPLICATIONS

- Welding curtains
- Arc flash barriers
- Fire retardant weather barrier material
- Grinding shields
- Areas that require high visibility for safety and resistance to sparks, abrasion, water and most chemicals

PTFE Fiberglass (Teflon Coated)



ABOUT THE FABRIC

Weave	Satin
Coating	Fiberglass fabric with a fluorocarbon (Teflon) coating
Color	One side black, one side gold
Width (Typical)	60"
Weight	16.5oz./yd ² +/- 10%
Thickness	0.015" +/- 10%
Temperature Resistance	-67°F to 600°F
Tensile Strength	Warp: 400lbs./in. Fill: 300lbs./in.
Trapezoidal Tear	Warp: 50lbs. Fill: 30lbs.

COMMON APPLICATIONS

- Removable insulation covers
- Weather and chemical barrier blankets
- Protective sleeves
- Insulation pads
- Welding pads
- Flange covers

2800 E Fiberglass (Acrylic Coating)



ABOUT THE FABRIC

Weave	Plain
Coating	Heavy weight fiberglass yellow acrylic coating
Color	Yellow acrylic
Weight	28oz./y ² +/- 10%
Temperature Resistance	Coating: -40°F to 300°F Base Fabric: 1000°F
Burst Strength	670psi
Tensile Strength	Warp: 425lbs./in. Fill: 354lbs./in.
Tear Strength	Warp: 108lbs. Fill: 118lbs.

COMMON APPLICATIONS

- Vertical welding curtains for spark containment
- Flash barriers
- Heat shields
- Fabric and fire resistant coating are specifically designed to resist slag, sparks, and incidental flame from cutting torches

2200 Kevlar (Aramid Fiber Blend/Kevlar)



ABOUT THE FABRIC

Weave	Aramid fiber blend
Color	Yellow
Weight	22oz./y ² +/- 10%
Thickness	0.08in +/- 0.001in
Temperature Resistance	600°F
Count	20 x 11
Tensile Strength	Warp: 225lbs./in.Fill: 150 ends/in.

COMMON APPLICATIONS

- Protective sleeves
- Heat shields and protective curtains
- Tadpole seals
- Misc. equipment covers



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