

CORE

TEMP



Keeps even the hottest things cool



FIBERGLASS FABRIC FOR INDUSTRY



ROLLS
BLANKETS
VINYL CURTAINS



Dragon Shield™
HIGH SILICA FABRIC

Notes:

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About Us

CoreTemp is a supplier of industrial thermal insulating, welding and cutting protection and safety products. These fiberglass products are available in blankets and rolls and come in a wide variety of coatings and temperature ratings.

CoreTemp supplies products following ASTM, MIL-Y-1140, Q/TPAV 01-2005 and JIS A 1323-1995 standards. Our fire blankets have gained BSEN1869:1997 certification. Service temperatures of our products range from 500°F to 3000°F and fire resistance capabilities reach the first grade of BS 476-4-1970 (R1984).

CoreTemp products are an ideal substitute for asbestos and are judged non-carcinogenic from the international cancer institute.

Our philosophy is simple. Provide exceptional and consistently safe quality products and the service to match.

1800° Silica Cloth

Silica Cloth
1800°F (982°C)



Silica cloth is a high performance textile fabric that is comprised of high purity, high strength amorphous silica fibers, woven into a strong, flexible fabric designed for use where severe temperature conditions exist. It is an ideal replacement for asbestos product used for thermal insulation and heat protection. It will not burn, rot, mildew or deteriorate and resist most acids. It will keep perfect state when it works at 1832°F (1000°C) for extended periods.

Applications:

- Used for welding/cutting protection
- Molten metal splash protection
- Heat and flame shielding, stress relief, insulation
- Hose and cable protection and emergency fire blankets



Specifications

Weight	18 oz	36 oz
Thickness	0.6mm	1.4mm
SiO ₂ content	96% min	96% min
Burn loss	3.0% max	3.0% max
Working temperature	1800°F (982°C)	1800°F (982°C)
Instantaneous temperature	3000°F (1649°C)	3000°F (1649°C)
15 minute temperature	2500°F (1371°C)	2500°F (1371°C)

Part Number	Description	Size
900101	18oz(17) High Silica fiberglass cloth	36"×50yd/roll
900201	36oz (34) High Silica fiberglass cloth	36"×50yd/roll

Silicone Coated Cloth

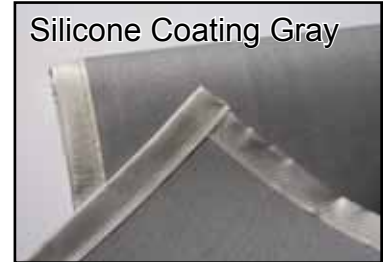


Silicone Coated Fiberglass Fabrics

509°F (265°C)

They are constructed from a fiberglass base cloth and coated both sides with a specially compounded iron oxide red silicone rubber. They features excellent electrical insulation, heat insulation and chemical corrosion resistance. Also available in gray.

Silicone Coating Gray



Applications:

- Serve as a welding blanket, foundry splash protection
- Conveyor belt and expansion joints
- Electrical insulation, chemical corrosion resistance, packing material
- Used for aerospace, marine, chemical industry, power plant, automotive, construction, piping and sealing



Specifications

Thickness	.55mm	1mm
Working temperature	500°F (260°C)	500°F (260°C)

Properties:

- Used in temperature from -94°F (-70°C) – 572°F (300°C)
- Ozone, oxide, light and weathering aging resistance, excellent weather ability used in outdoors and ages may be reached to 10 years.
- High insulation: dielectric constant from 3 to 3.2 / breakdown voltage from 20 to 50 KV/mm.
- Physical and chemical properties

Part Number	Description	Size
700170	17oz Red silicone fiberglass cloth	60"x50yd/roll
700320	32oz Red silicone fiberglass cloth	60"x50yd/roll
700310	32oz Red silicone fiberglass cloth	40"x50yd/roll
700220	15oz Gray silicone fiberglass cloth	60"x50yd/roll
700217	17oz Gray silicone fiberglass cloth	48"x50yd/roll
700210	32oz Gray silicone fiberglass cloth	60"x50yd/roll



Fiberglass Fabric

Fiberglass Fabrics

Outstanding temperature and strength properties, rot and mildew resistance make fiberglass woven fabrics valuable over a wide range of marine and industrial applications. They are asbestos free, cause no harm to health, making fiberglass products ideal replacements to asbestos ones. They will not burn, rot, mildew or deteriorate and resist most acids. Non-texturized and texturized fiberglass fabrics are the major types.

Texturized Fiberglass Woven Fabric

1022°F (550°C)

Made of continuous filament texturized yarns, they demonstrate better insulating properties and greater fullness. Insulating properties depend upon conductivity and radiation and these are influenced by the fabric construction.

Applications:

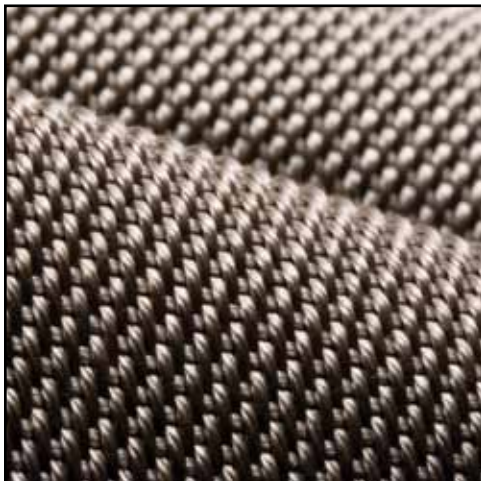
- All types of thermal insulation and heat protection
- Welding blankets and fire curtains
- Expansion joints
- Basic cloth for coatings and laminations

Specifications:

Part Number	Description	Type	Size
103001	12.8 oz E-Glass fiberglass fabric	Texturized White	60"x50yd/roll
103030	18 oz E-Glass fiberglass fabric	Texturized White	60"x50yd/roll
103018	18 oz E-Glass fiberglass fabric	Texturized White	40"x50yd/roll
400120	18 oz Tan heat-treated	Texturized Tan Heat-Treated	60"x50yd/roll

Available in the following weaves to achieve varying degrees of tensile strength:

Plain, Modified Plain, Crowfoot, 8H Satin, and Twill



104010



103030

(shown with 8H Satin weave)

Fiberglass Fabric Finishes

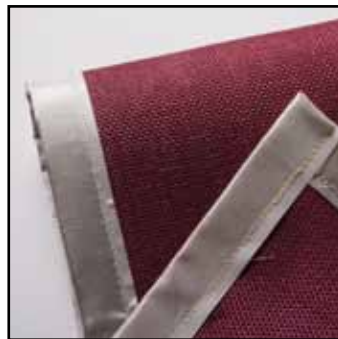
In order to meet special purposes or to increase some characteristics, these fabrics can be treated in various ways. With different temperature resistance and special properties, they are applied in a wide range of industrial fields.

Specifications:

Fiberglass fabric Finishing style	Fiberglass fabric Temperature	Fiberglass fabric Features	Fiberglass fabric Applications
Vermiculite coating (V)	1382°F (750°C)	increase resistance to abrasion and flame	welding blankets, general purpose insulation
Neoprene coated fiberglass fabric	1112°F (600°C)	good resistance to abrasion, allergen resistant	welding protection
Acrylic coated fiberglass fabric	1112°F (600°C)	good resistance to abrasion and cuts, allergen resistant and anti-adhesive surface	welding protection
Dying and coloring (D)	1112°F (600°C)	heat protection	heat protection, welding blankets
Heat treated (tan) (H)	1112°F (600°C)	decrease fumes, good cutting resistance	welding blankets, general purpose insulation
Polyurethane coating (U) <i>custom order</i>	1112°F (600°C)	good resistance to abrasion and cuts	welding protection curtains
Aluminum foil laminating (A) <i>custom order</i>	1112°F (600°C)	heat reflection, abrasion proof	heat protection cushions, motor vehicle industry



Vermiculite



Red Dye



Salmon Neoprene



Black Acrylic

Part Number	Description	Type	Size
203010	17 oz Fiberglass cloth SALMON	Neoprene Coated	60"x50yd/roll
203015	17 oz Fiberglass cloth SALMON	Neoprene Coated	40"x50yd/roll
203002	24 oz Fiberglass cloth YELLOW	Neoprene Coated	40"x50yd/roll
203006	24 oz Fiberglass cloth YELLOW	Neoprene Coated	60"x50yd/roll
300120	14 oz Fiberglass cloth BLACK	Acrylic Coated	60"x50yd/roll
300110	14 oz Fiberglass cloth RED	Acrylic Coated	60"x50yd/roll
300170	17 oz Fiberglass cloth RED	Acrylic Coated	60"x50yd/roll

Texturized Fiberglass Tapes

1022°F (550°C)

Fiberglass tapes manufactured from texturized fiberglass yarns. The construction is knitted or woven, tapes are the choice in environments where 1022°F (550°C) is the daily norm. The tapes will not burn or smolder and retain as much as 25% of its tensile strength at 1022°F (550°C). They exhibit a high strength-to-weight ratio while maintaining excellent flexibility.

Texturized Fiberglass Woven Plain Tapes - 1022°F (550°C):

- Fiberglass woven plain tapes are the choice to make when a stiffer, more rigid construction is desired, such as in a door sweep or similar environments.

Specifications

Thickness: 0.8mm – 3mm • Width: 20mm – 500mm • Roll length: 30m

Applications:

- Used in ovens, furnaces and boilers as a door seal.
- Used as pipe wrap in such applications as steam tracer lines.
- Used as tadpole tape gasket covering material.
- Used in other gasket and insulation application.

Texturized Fiberglass Knitted Tapes - 1022°F (550°C):

- Fiberglass knitted tapes have a unique knitted construction that offers specific advantages over woven tapes in certain applications.
- Knitted tapes are easy to wrap, easily taking a radius of up to 90 degrees without buckling and because of the cellular knitted construction, they are more durable under abrasive conditions and provide better insulation properties.

Specifications

Thickness: 2mm – 3mm • Width: 20mm – 500mm • Roll length: 30m

Texturized Fiberglass Tape Finishes:

- Fiberglass tape finishes available in order to meet special purposes or to increase some characteristics. These tapes can be treated in various ways. With different temperature resistance and special properties, they are applied in a wide range of industrial fields.

Finishing Style	Temp.	Feature	Application
D-Dying and coloring	1022°F (550°C)	heat protection	general purpose insulation
G-Graphite coating	1382°F (750°C)	increase resistance to abrasion and flame	
H-Heat cleaning	1022°F (550°C)	decrease fumes, good cutting resistance	
V-Vermiculite coating	1562°F (850°C)	increase resistance to abrasion and flame	
W-Steel wire reinforcing	1022°F (550°C)	increase tensile strength	

**Fabric is 1022°F (550°C) while mucilage is 572°F (300°C)*

Part Number	Description	Size
600101	Fiberglass Tape Roll	2" x 1/8" x 50 ft
600201	Fiberglass Tape Roll	1-1/2" x 1/16" x 100 ft
600220	Fiberglass Tape Roll	2-1/2" x 1/16" x 100 ft



Product Selection Information

What material is right for your application?

- **Light Duty** - general purpose welding applications, light sparks, minimal spatter
Tan Heat-treated – Page
Acrylic Coated – resistant to oil, heat, light and oxidation
Neoprene Coated – resistant to oil, most chemicals, mid heat, light and oxidation
- **Medium Duty** – Moderate intensity welding, sparks, spatter, light slag
Tan Heat-treated – Heat-treated process to minimize surface fibers, creates smooth feel
White Texturized – Texturized to produce a smooth finish - economical
Acrylic Coated – resistant to oil, heat, light and oxidation
Silicone Coated – Extremely durable against moisture, oil, certain chemicals, mid heat, light and oxidation
- **Heavy Duty** – heavy sparks, spatter, slag
Vermiculite – Service temperature is substantially higher than standard fiberglass fabric
Iron Sulfate (Fe_2So_4) – Similar to vermiculite with higher temp resistance and abrasion resistance
- **Extreme Heavy Duty** – very heavy spatter, slag, possibility of molten metal
High Silica – Extremely high temperature rating, very flexible, smooth finish

Stress relief or high tensile strength application?

- Stress relief or high tensile strength applications - use only uncoated material.
Available Weaves:
Plain – Standard 1:1 Tensile strength
Double-Plain – 1:1.5 Tensile strength
3 x 1 Twill – 1:2 Tensile strength
8H Satin – 1:3 Tensile Strength
Crowfoot –

Coated material or uncoated?

- **Coated Material** – better abrasion and burn through resistance. Stiffer to allow spatter and slag to roll off easily.
- **Uncoated Material** – more pliable, making it easier to drape over and wrap around objects.

Weight and thickness of the material?

- The performance of the fiberglass or fiberglass-coated material depends on numerous variables.
- Generally, thicker/heavier weight material (24oz., 35oz., etc.) will provide better protection and resist burn-through.
- Lighter material (14oz., 17oz.) is more economical and generally sufficient protection in light to medium jobs.

Is the application horizontal (flat) or vertical?

- For Vertical applications, the thinner materials may be used.
- For Horizontal (Flat) applications, heavier material and/or with higher melting temperature should be used.

CoreTemp

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