



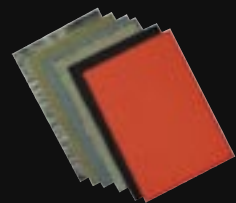
MAXSIL®
SILICA FABRICS



MAXSIL® SILICA
BULK FIBER



MAXSIL® MOLTEN
METAL FILTERS



FIBERGLASS
FABRICS

McAllister Mills also offers a line of Maxsil Silica fabrics for the ultimate heat protection. Our silica fabrics are heat resistant to 2000°F (1100°C). A variety of styles are available with abrasion resistant coatings, high temperature coatings for added flexibility, silicone, as well as aluminum foil.

A CERAMIC FREE bulk fiber insulation composed of amorphous silica fiber. This soft material is non-irritating to the skin and non-respirable. Maxsil HS Bulk Fiber has a service temperature to 2000°F and is pre-shrunk to allow minimal shrinkage in service. These fibers are suitable for vacuum forming and are molten metal resistant.

HIGH STRENGTH flexible molten metal filters designed for both high efficiency and high quality filtration of aluminum, copper, brass, bronze, cast-iron, and ductile iron. Maxsil Molten Metal Filters are made from amorphous silica yarn, leno woven to a uniform mesh size, and coated with a proprietary resin. This exacting process generates a screen that prevents mesh distortion and ensures consistent filtration.

McAllister Mills is a leading manufacturer of heat resistant fiberglass fabrics for industry. Our complete line of asbestos-free fabrics are ideal solutions for your high heat applications. Whether you're looking for a plain fiberglass fabric or a variety of coated fabrics, McAllister Mills is the answer. Applications include: fire blankets, welding curtains, expansion joints, gasketing and many more...



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Stay on the Safe Side
with **MAXSIL®**



RESISTANT TO 2000°F (1100°C)

Maxsil® CF6-2000
Silica fiber needled blanket

McAllister Mills listened to our customer's needs for an insulating blanket that resists high temperatures, is occupationally safe, and easy to work with. Our engineers developed a ceramic free needed silica blanket that is non-respirable, easy to fabricate and has a service temperature of 2000° F (1100° C).

REFORMER AND BOILER LININGS

FLEXIBLE HIGH TEMPERATURE PIPE INSULATION

REMOVABLE INSULATING BLANKETS FOR FIELD STRESS RELIEVING WELDS

ANNEALING COVER SEALS

REPLACEMENT CERAMIC FIBER



WELDING PROTECTION

BURNER WRAPS

EXPANSION JOINT SEALS

FURNACE DOOR LININGS AND SEALS

PRIMARY REFORMER HEADER INSULATION

NUCLEAR INSULATION APPLICATIONS

REUSABLE INSULATION FOR STEAM AND GAS TURBINES

INVESTMENT CASTING MOLD WRAPPINGS



McAllister Mills

MAXSIL® CF6-2000
MATERIAL SPECIFICATIONS

PRODUCT FORM
Needled Blanket

SERVICE TEMPERATURE
2000° F (1100° C)

CHEMICAL ANALYSIS
SiO₂ 93.5% min.
Al₂O₃ 4.0% ±0.4%
Na₂O max. 0.8%

Fiber Diameter
6 Microns
(non-respirable)

FREE OF SHOT
(UNFIBERIZED PARTICLES)

Pre-shrunk



HIGH TEMPERATURE GASKETING

HIGH TEMPERATURE FILTRATION



INCINERATION EQUIPMENT AND STACK LININGS

GLASS FURNACE CROWN INSULATION

SOAKING PIT SEALS AND INSULATION

PRODUCT CODE	S125-8	S250-8	S500-9	S1000-10
THICKNESS	1/8" (3mm)	1/4" (6mm)	1/2" (12mm)	1" (25mm)
DENSITY	8# (~130kg/m ³)	8# (~130kg/m ³)	9# (~150kg/m ³)	10# (~170kg/m ³)
THICKNESS TOLERANCE	±0.040" (1mm)	±0.040" (1mm)	±0.040" (1mm)	±0.080" (2mm)
STANDARD WIDTH	36" (.9m)	36" (.9m)	36" (.9m)	36" (.9m)
ROLL LENGTH	130 ft. (~40m)	100 ft. (~30m)	50 ft. (~15m)	33 ft. (~10m)

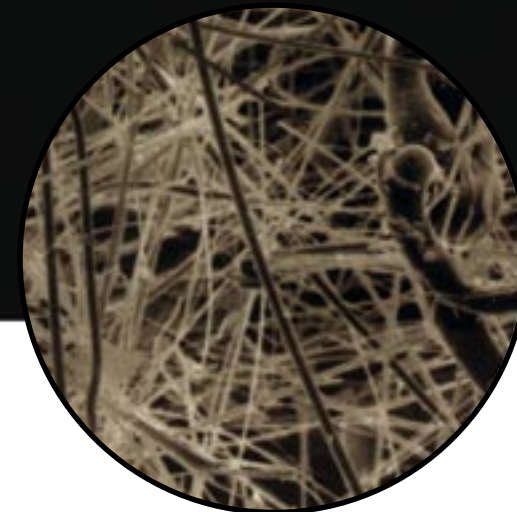
McAllister Mills' tightly controlled manufacturing process allows for the consistent production of a shot free fiber with a uniform diameter of 6 microns. This unique feature makes Maxsil CF6-2000 non-respirable and easy to fabricate. Now your maintenance team can install insulating blankets without gloves. Our blankets are even soft enough for a baby.



- CERAMIC FREE
- NON-RESPIRABLE FIBER
- MADE FROM CONTINUOUS FILAMENT SILICA FIBER
- TEMPERATURES TO 2000° F (1100° C)
- ABSOLUTELY No "SHOT"
- HIGHER STRENGTH THAN ORIGINAL MAXSIL BLANKET
- HIGHLY DURABLE
- MULTIPLE REUSE
- LOW SHRINKAGE
- EXCELLENT THERMAL CONDUCTIVITY



Maxsil CF6-2000 has a uniform fiber diameter of 6 microns and is shot free. (electron microscope x300)



The diameter of ceramic fibers varies greatly and contains shot or unfiberized particles. (electron microscope x300)

THERMAL PROPERTIES

Tested By Holometrix 6196 ASTM C177 thermal conductivity

TEST PRODUCT:	NEEDED SILICA BLANKET	MEAN TEMPERATURE		APPARENT THERMAL CONDUCTIVITY		THERMAL RESISTANCE	
		°C	°F	SI ¹	British ²	SI ³	British ⁴
TEST THICKNESS:	1.0 inch (25.0mm)	92	198	0.0448	0.310	0.482	2.73
TEST DENSITY:	9.98 lbs/ft ³ (170 kg/m ³)	203	397	0.0589	0.408	0.366	2.08
		316	600	0.0764	0.530	0.282	1.60
		537	999	0.1235	0.856	0.175	0.99

Maxsil CF6-2000 is excellent as a stress relieving insulation and significantly less expensive than knitted silica blankets. Our continuous fiber blankets have increased durability due to their higher strength and abrasion resistance. Some customers have noted reusing the blanket up to 20 times.

measurements

¹THERMAL CONDUCTIVITY SI UNITS: W/m-K

²THERMAL CONDUCTIVITY BRITISH UNITS: Btu-in/hr-F-ft²

³THERMAL RESISTANCE SI UNITS: m²-K/W

⁴THERMAL RESISTANCE BRITISH UNITS: hr-F-ft²Btu