

McAllister Mills



THERMAL COMPOSITES



Engineered to the Extreme

McAllister Mills

Welcome to the right answer. Done well.

McAllister Mills is a global leader and your **one-source solution** in the manufacture of precision-engineered thermal fabrics, insulation blankets and cut and sewn products for a wide range of industries and applications.

The fact that our entire operation is vertically integrated (right here in the USA) means that every aspect of the manufacturing process, from fiber to fabrication, is under our skilled and experienced control.

The result is a consistently high level of quality and performance – accompanied by faster turnaround times, greater flexibility and enhanced cost value. That's why we've formed so many trusted client relationships during our 30-plus years of innovative design and manufacturing.

And that's our No. 1 goal: being your dependable partner. Courtesy of our at-your-service Technical Sales Team that is eminently qualified to guide, inform and advise you through each step of the solution process. Because the last thing you need is service that runs hot and cold. Below is a listing of industries we serve:

-  Automotive After Market
-  Petrochemical Drilling & Refining
-  Power Generation
-  Primary Metals Products
 - Appliances
 - Chemical Manufacturing
 - Cryogenics & Refrigeration
 - Pharmaceuticals
 - OEM Fluid Handling
 - OEM Hot Process Equipment
 - OEM Transportation
 - Pulp & Paper Products
 - Refractory Manufacturing
 - Shipbuilding & Repair
 - Industrial MRO
 - Contractor Services

Our solutions are relied upon worldwide.

Here at McAllister Mills, it's very gratifying to know that our thermal materials and removable covers are playing important roles around the world, in a variety of industrial sectors and extreme environments. From specialty yarn to gaskets, heat shields, insulation jackets, and fire protection, the McAllister Mills brand of performance is trusted to provide the optimum solution.



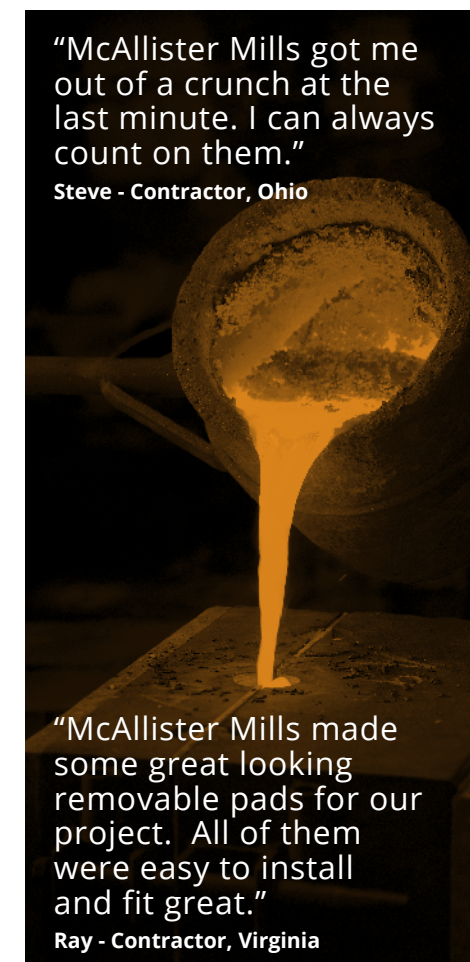
"McAllister Mills is a very reliable company who responded quickly to get our company back on track and schedule — fantastic quality too!"

Tracy - Contractor, Virginia



"McAllister Mills provides high quality insulating jackets that help keep our customers safe."

Dave - Engineer, California



"McAllister Mills got me out of a crunch at the last minute. I can always count on them."

Steve - Contractor, Ohio



"McAllister Mills always provides top quality with exceptionally fast delivery."

Tony - Manufacturer, North Carolina

"McAllister Mills made some great looking removable pads for our project. All of them were easy to install and fit great."

Ray - Contractor, Virginia

Our product offering is extensive. Just like our expertise.

It all begins with our superb Technical Sales Team members, who serve as unrivaled solution providers for our clients. Our sales team works closely with our design and production team, which has amassed literally centuries of combined expertise and experience. This high level of professionalism, combined with our vertically integrated operation, ensures that the work process flows smoothly and efficiently.

From fiberglass, basalt, silica, and aramids to specialty insulating rock fibers, here's a representative listing of the types of items we produce:

Thermal Materials

- Needled blankets
- Silicone-coated fabrics
- Sleeving
- Square and round ropes
- Tapes
- Threads
- Yarns



Left: Coated fiberglass tapes. Top right: Basalt tape and cloth. Bottom right: Silica tapes.

Fabricated Materials

- Blankets
- CNC-cut parts
- Gaskets and seals
- Heat curtains
- Heat shields
- Pads
- Tadpole tape



Left: Various gasket sizes. Right: Die-cut insulation materials.



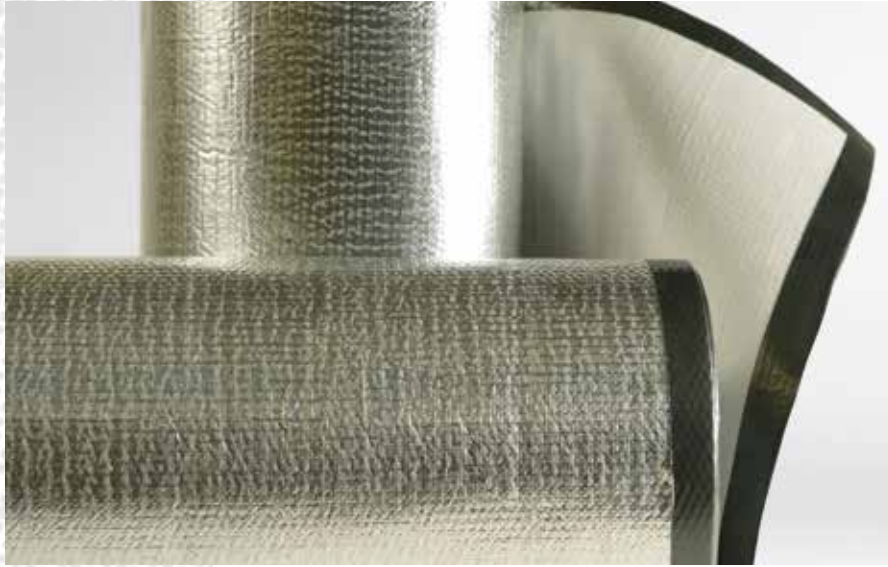
Left and top right: Custom-designed and manufactured thermal jackets. Bottom right: Insulation layer detail of custom-designed thermal jacket.

Custom-Designed Thermal Jackets

- Composite thermal modeling
- Client-tailored engineering
- 2-D scan to CAD design
- Electrically heated blanket expertise

Passive Fire Protection

- Protecting assets in case of a fire
- Land based as well as marine applications
- Meets many world certifications; NFPA, ISO, IMO, ASTM
- Providing custom solutions



Above: Passive fire protection blankets.

We've even developed our own heat-resistant products.

Over the course of our three decades of thermal innovation, our research and development team has engineered a portfolio of special-application products with superior heat-resistant properties. Here's an overview of these proprietary brands:

Maxsil®

A name that you can trust for the highest quality silica fiber, needled insulation blanket that's occupationally safe, easy to work with, and heat resistant to 2000°F.



Maxsil®-Tex

Non-leached silica textiles, including cloth, tape, insulation blanket, rope, tadpole tape, yarn and tubing; various degrees of heat resistance.

Treo®

Inorganic mat insulation made of bio-soluble, vitreous silicate fiber; presents no health or safety issues; easy to install, resulting in overall reduced labor costs; heat resistant to 1800°F.



MidSil

A fiber textile that remains flexible at maximum temperature (1350°F); optional wire can be incorporated for more extreme applications. A superior option to vermiculite-coated textiles.



GlassAir

Ultra-lightweight fiberglass needled blanket that provides excellent thermal performance as industrial insulation; heat resistant to 1150°F.



Get exactly what you need. Precisely the way you need it.

Starting with our Technical Sales Team, we provide solution support and in-house design expertise for your thermal energy management challenges. Backed by our manufacturing and finishing versatility, along with our technical skillsets, we serve as a “one stop,” time- and money-saving resource for our clients. So whether you need a ready-made product from our catalog or a custom-made solution from our design and engineering team, our capabilities have you covered:

Weaving

Over 36 years' experience weaving fiberglass and silica products.

Die-cutting and CNC-cutting

Numerous options and a wide range of materials.

Slitting

We can slit virtually any material at any dimension.

Needling

Our non-woven production capabilities allow us to create fibers of glass, silica and basalt – including blended fibers that incorporate any combination of these three materials.

Sewing and Fabrication

Assembly options include a broad range of fabrics, tapes and insulation materials.

Coatings, Laminates, Facings and Treatments

Completely customizable to the client's needs; can be applied to woven and non-woven materials.

Product Design and Engineering

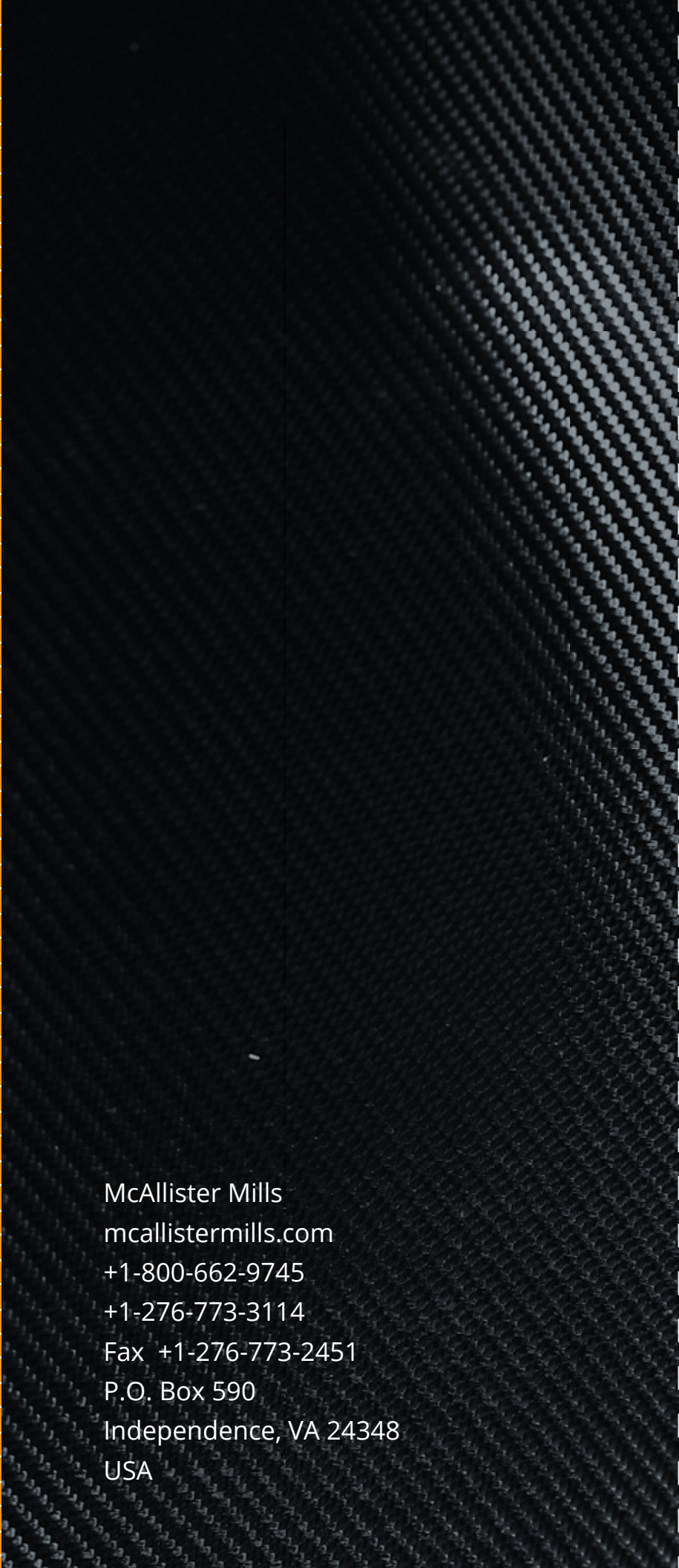
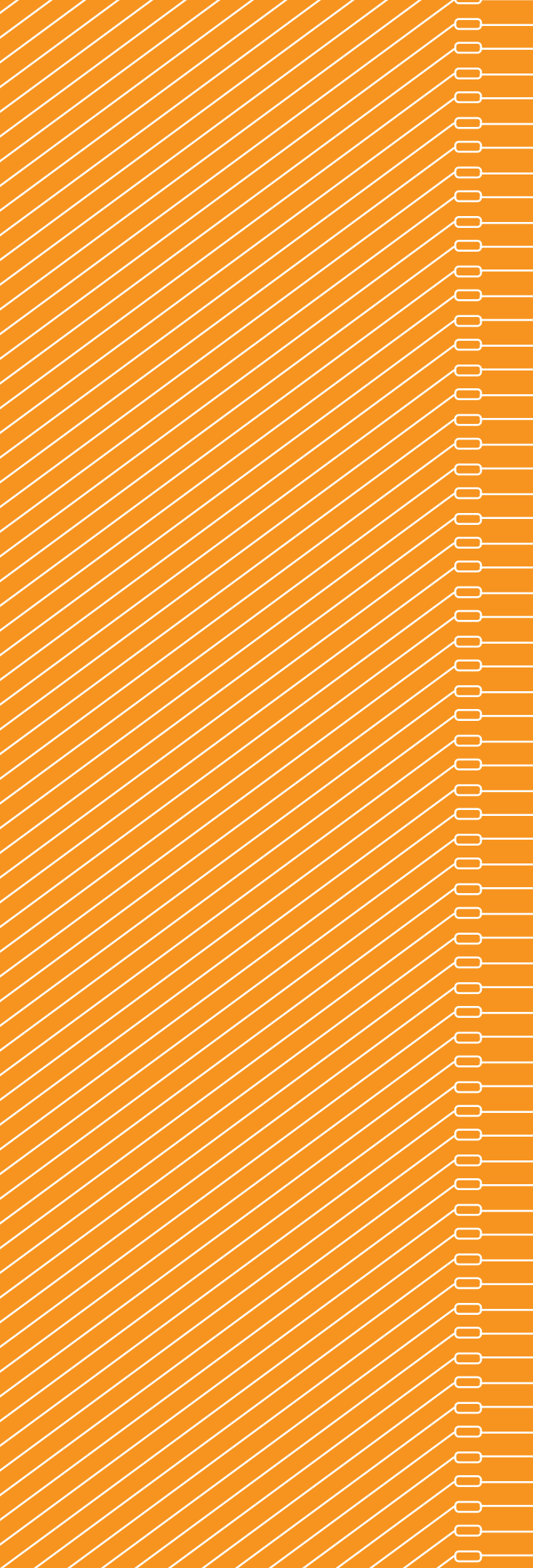
Application experts to design and build your thermal solutions.

Let's have a “heated” conversation.

We'd love to discuss your company's thermal-related challenges and needs. To start the conversation, please give us a call at +1-276-773-3114 or +1-800-662-9745 or email sales@mcallistermills.com.

Additional information is also available on our website, www.mcallistermills.com.





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