

TUFF TEMP CORPORATION

- HEAT RESISTANT TEXTILES AND BELTING -

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Company Profile

TUFF TEMP CORP. was formed in 1974. At that time the United States was realizing the health risks inherent in the use and handling of asbestos, and governmental health agencies soon mandated the elimination of all asbestos related products. This created a need within the glass industry, where asbestos had long been used as a heat resistant material within the hot end of many plants.

TUFF TEMP CORP. helped solve the problem of replacing asbestos by developing a family of high quality, ultra high temperature resistant <u>non</u>-asbestos conveyor belting, narrow tapes, seamless tubings and fabricated pad products (under the trade names of TUFF TEMP and HiTemp).

Each of our woven TUFF TEMP and HiTemp products have been uniquely engineered to meet the critical needs of handling hot end manufacturing processes such as primary and secondary glass manufacturing, and soft and hard alloy aluminum extruding. TUFF TEMP has proven temperature resistance up to 1,400°F (760°C), and our HiTemp line of products has shown even greater temperature resistance. TUFF TEMP in particular, is very effective in high wear applications, where fiberglass and other brittle high temperature materials are inadequate. HiTemp products are more ideal for static, ultra high temperature pad and gasketing applications.

Over the past 25 years, TUFF TEMP CORP. has become a global supplier, and today we are the world leader in manufacturing and supplying heat and abrasion resistant textile products. Today, our various products have become the world standard for hot end handling and conveyance, in each of the following glass industry markets:

- Automotive Flat Glass Bending, Tempering and Laminating (Windshields, Backlights, Sidelights, etc.)
- Architectural Flat Glass Bending, Tempering and Laminating
- Lighting and Lamp Glass
 (Automotive Headlamp Covers, Xmas Ornaments, Quartz, Incandescent Bulbs,
 Fluorescent Tubing & Rod, Halogen Light Covers, Envelope Bulb Blanks, etc.)
- TV Glass (For conveyance of both hot panel and funnel glass)
- Miscellaneous Pressware
 (Consumerware / Tableware, Ovenware, Opticalware & Opthalmicware, Prisms, Meter Covers, etc.)
- Container Glass
 (Beer & Alcohol Bottles, Juice Bottles, Condiment Jars, Baby Food Jars, etc.)
- Miscellaneous Holloware
 (Perfume Bottles, Pharmaceuticalware, Scientificware, Cosmeticware, etc.)
- Art Glass
 (Tong Covers, etc.)



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Within the Aluminum Extrusion Industry TUFF TEMP woven products are equally ideal, because they possess superior cut and abrasion resistance. These attributes are a necessity for handling the high wear and tear of hot industrial aluminum extrusion profiles. TUFF TEMP products are also non-marking, as opposed to traditional carbon blocks, so off quality concerns are eliminated.

TUFF TEMP products are used in the following extrusion handling applications:

- Roller covers for run-out table rollers
- Flight bar pads
- Walking beam and transfer arm pads
- Endless transfer belts
- Cooling table pads
- Spacer Covers

Overall, TUFF TEMP CORP.'s success has come from continual investments in R & D, and listening to our customers' feedback. On every product that we manufacture we guarantee a cost-effective, consistent, and reliable performance. Further, each product is specifically manufactured with three goals in mind:

1. Deliver Superior Performance:

TUFF TEMP belting, tapes, tubings, and fabricated pads are designed to provide longer wear life. This translates into significant production savings from longer job runs and less maintenance downtime.

2. Provide a Safer Product:

All TUFF TEMP products are completely free of carcinogenic asbestos dust, and potentially harmful airborne glass particles.

3. Add Value by Eliminating Traditional Textile-Related Problems:

TUFF TEMP CORP. has developed several unique proprietary finishing treatments which are engineered to enhance the end use durability and versatility of our products. These unique treatments will also <u>eliminate</u> some of the common problems typically found with industrial textile products (such as excessive belt stretching, belt lacing tears, etc.)

It is our policy to carry sufficient inventory to ensure quick and responsive delivery. Currently, belting is woven up to 24" (610 mm) wide and 3/8" (9.5 mm) thick. Certain pads are available up to 1" thick. Seamless tubing is available to 4" (102 mm) Inside Diameter.

Our Engineering and Research teams are also available to create and design products unique to individual manufacturing needs.

Our people and our unique equipment, combined with our dedication to research and customer satisfaction, will ensure that we will always be there to serve your needs.