

REFRASIL®

Silica-Based Insulation Products



REFRASIL® Silica-Based Woven Textile products have been specifically designed for high temperature use.

REFRASIL® products are amorphous silica woven fabrics, textiles, non-woven blankets, and bulk fiber and fibers designed for high temperature use.

The **REFRASIL®** product line is available in a variety of product forms: Woven Fabrics, Woven Tapes, Non-woven Blankets, Bulk Fiber, Modules, Papers, Braiding Yarns, and other specialty forms such as Sleeving, Rope Gasket, and Cord.

REFRASIL® textiles provide excellent thermal and acoustic protection. These high-temperature resistant textiles products insulate and provide continuous protection in environments up to 1800°F (982°C), while maintaining their strength and flexibility.

REFRASIL® “Irish” Woven Fabric contains a special coating that provides exceptional functioning when higher temperature performance, up to 2300°F (1260°C), is required

REFRASIL® Non-woven Felts are available in a specially processed version that provides higher resistance to residual shrinkage (<1%) and degradation in extreme environments.

REFRASIL® products can withstand excursions to 3100°F (1704°C) with minimal embrittlement and shrinkage.

REFRASIL® products are available in > 96% silica content. They resist oxidation, most corrosive solutions and chemicals, and they present no known health hazard. Applications for **REFRASIL®** products range from welding blankets to satellite shrouds, firewalls to aircraft insulation, furnace curtains to thermal couple insulation wrap.

Features:

Resilient Fireproof High Temperature Insulator

Resists Molten Metals and Radiant Heat

Compatible with Most Chemicals

No Known Health Hazards

Amorphous Structure

Low Halogen Content

High Dielectric Strength

Minimal Smoke Emission

Low Thermal Conductivity

Asbestos Replacement

Cost Effective

Application Guide:

Maintenance and energy costs are reduced by using **REFRASIL®** products in applications and industries where equipment downtime and fuel conservation are primary considerations. Some of these industries include shipbuilding and repair, power plants and utilities, metal fabrication, foundries, petroleum and petrochemical plants, chemical processing, nuclear energy, glass plants, appliance manufacturing, aircraft and aerospace, electronics and communications, heat treating and other areas where thermal insulation is essential to performance, safety and cost.