

REFRASIL® HITCO's alternative fiber

High Temperature Insulation



REFRASIL RB1800 and RB2000 are amorphous silica fiber based products that are shot free and binder free. These high strength materials provide long-term thermal and acoustic insulation for applications in the range of 1800° - 2200°F. The products are non-hazardous since they contain no asbestos, no refractory ceramic fiber (RCF), or any respirable fiber below 6 microns in diameter. REFRASIL RB1800 and RB2000 products provide effective solutions to a wide variety of thermal and acoustic management problems while helping to maintain a health hazard free environment.

REFRASIL RB1800 products are comprised of high-purity, high strength amorphous silica fibers between 6-13 microns in diameter and 2-4" in length. These long fibers are needled into high strength products that are capable of unequalled performance in high-purity, high-temperature applications where contamination cannot be tolerated. The physical strength, erosion resistance, and resistance to vibrational degradation make these materials superior to refractory ceramic fiber insulation blankets in challenging applications. The silica fibers that make up REFRASIL RB1800 products are resistant to most chemicals and harsh atmospheres, especially those that are acidic.

REFRASIL RB2000 is a "Low Residual Shrinkage" blanket that is specially treated to eliminate almost all residual shrinkage up to 2150°F. REFRASIL RB2000 also possesses approximately three times the strength of standard RB1800 and RCF products, while maintaining its resiliency.

REFRASIL RB1800 and RB2000 blankets are available in a variety of thicknesses, widths, and densities to meet the most demanding thermal and acoustical insulation requirements. Bulk fiber, silica fiber paper and silica fiber modules are also available.

TYPICAL APPLICATIONS:

- Glass furnace crown insulation repair
- Nuclear insulation applications
- Acoustic insulation
- Insulating pads and blankets
- High temperature & acid resistant gaskets
- Exhaust manifold insulation
- Stress relieving pads
- High temperature pipe and valve insulation
- Investment casting mold wrap
- Fire protection
- Muffler packing
- Heat treating furnace linings
- Petro-chemical process heater linings
- Welding protection
- Furnace, kiln, incinerator, and boiler linings
- Thermal & acoustic insulation for steam and gas turbines
- Roller hearth furnace linings
- Soaking pit & pre-heat furnace linings and seals
- Expansion joint and packing material



Bulk Fiber

Blankets

Paper

Modules



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