

product overview

Introduction to our Products

Thermal Ceramics is a single-source provider of insulation and refractory technology: fiber, insulating and dense firebricks monolithics and specialized insulation. Each product line has a number of well-known global brands.

Fiber: in blanket, module, paper, vacuum forming boards and shapes, mastic and textile forms for a variety of manufacturing applications. Brands include Superwool, Kaowool®, Cerablankets®, Cerachem®, Cerachrome®, Pyro-Bloc®, FireMaster®.

Insulating and Dense Firebrick: in straight or slab form, in standard or custom-designed shapes. Brands include K®, JM™, TJM™ and SR™-90.

Monolithics: include insulating, general purpose and special duty dense monolithics. Brands include Tri-Mor®, Kaolite®, Firelite®, Kaocrete®, Firecrete®.

Specialized Insulation: microporous, fired dense refractories, or vermiculite based including BTU-BLOCK™, Min-K®, TR-19®, Cerox® and Valcor®.

Superwool 607 HT

The low biopersistent fiber set to revolutionize high temperature wool markets is here. Responding to increasing awareness for Health and Safety regulations, Thermal Ceramics has developed the first true, low biopersistent fiber with a classification temperature of 1300°C (2372°F).

Superwool 607 HT provides thermal efficiency and has been extensively tested and demonstrates the lowest linear shrinkage of any comparable fiber product up to its classification temperature.

Under normal use it shows shrinkage lower than standard grade RCF, consequently producing fewer hot spots and requiring less maintenance, saving you cost and downtime.

Thermal Ceramics been providing innovative engineered heat management solutions for a range of industries all over the world for over 50 years. Our commitment to Research and Development ensures we continue to deliver products enabling you to be proactive in meeting your health and safety and environment obligations.

Benefits

- High thermal stability up to the recommended maximum continuous use temperature giving a reliable furnace lining with no gaps or hot spots
- High security margin, when used for short periods up to the classification temperature, shrinkage will be within acceptable limits avoiding hot spots, excessive heat loss or lining failure
- Exceptionally low shrinkage during normal use resulting in more stable thermal performance and better economy, less need to pack shrinkage joints and thus material savings over the operating life



Product Offering

- Bulk
- Blanket
- Paper
- Vacuum Form Boards
- Vacuum Form Shapes
- Mastic
- Modules: Folded and Stacked

Superwool® 607® HT

Industrial Markets covered

Thermal Ceramics has a proven in-service track record for Superwool 607 HT in many applications. Our European division has been using Superwool 607 HT since 2005. Trials have been in service in the US and Canada since 2007.

We have proven reliability for applications such as:

- Iron and Steel
 - mold wraps for investment casting
 - heat treatment furnace linings
 - tundish drying and/or preheat cover
 - riser sleeves
 - general heat containment
- Ceramic
 - Tunnel Kiln linings
 - Shuttle Kiln linings
 - kiln car insulation
 - general heat containment
- Aluminum
 - ladle and trough covers
 - melting/holding furnace back-up insulation
 - general heat containment
- CPI/HPI
 - Fired heater linings
- OEM
 - standard boiler walls
 - gas radiant tube heaters



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