

New England Refractory Co.

Superwool® Bulks



Features

- Low biopersistence
- Thermal stability
- Low heat storage
- Flexible and resilient
- Immune to thermal shock
- Excellent thermal insulating performance
- Based on patented technology

Applications

- Expansion joints construction
- Base seals
- Low mass kiln car construction
- Tube seal fabrication
- Thermal and acoustical insulation
- As primary raw material for high temperature converted and engineering fibers that are used in:
 - Transportation
 - Filtration media
 - Reinforcement for plastic and resins
 - Filler in resins and paints
 - Friction material
 - Mastic and cement

Superwool is manufactured from pure raw materials and processed to offer excellent performance in high-temperature applications. Superwool offers an alternative to traditional solutions due to its high refractoriness and excellent non-wetting characteristics with molten aluminum.

Superwool provides stability and resistance to chemical attack. Exceptions include hydrofluoric acid, phosphoric acid and strong alkalis (i.e. NaOH, KOH). Superwool is unaffected by incidental spills of oil or water. Thermal and physical properties are restored after drying.

Superwool is ideally suited to individual applications and is available in a wide range of thicknesses and densities. The maximum continuous use temperature depends on the application. Refer to your local Thermal Ceramics representative for advice.

Type

Alkaline Earth Silicate (AES) Wool
 CAS number: 329211-92-9

	Superwool		
	607®	Plus	607 HT
Color	white	white	white
Continuous Temperature Use Limit, °F	1832	1832	2102
Classification Temperature Rating, °F	2012	2192	2372
Chemical Analysis, % , Weight Basis After Firing			
Silica, SiO ₂	60 - 70	62 - 68	70 - 80
Calcium oxide + Magnesium oxide, CaO + MgO	29 - 42	29 - 39	18 - 25
Other	trace	< 1	< 3

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

This product may be covered by one or more of the following patents or foreign equivalents: US 5332699, US 5714421, US 5811360, US 5821183, US 5928975, US 5955389, US 5994247, US 6180546, EP 0906250, GB 2348640. A list of foreign patent numbers is available upon request to The Morgan Crucible Company plc. Thermal Ceramics, Superwool, 607 and MAX are trademarks of The Morgan Crucible Company plc.