



More Products. More Solutions.



The acquisition of Premier Refractories by Vesuvius means we now offer the world's most comprehensive line of refractories and ceramics. So when it comes to finding solutions for your tough refractory needs, no one has more expertise than Vesuvius.

We offer everything from precast consumables to premium specialty products. And we provide infield technical support.

Put our experience to work for you.



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CER-WOOL® Ceramic Fiber is Different.

CER-WOOL® Ceramic Fiber products are made using the proprietary “Erwin Process” in which high purity raw materials are super-spun into exceptionally long filaments of uniform diameter. These long, flexible filaments give CER-WOOL® Ceramic Fiber products their strength advantage over other brands.



CER-WOOL® Ceramic Fiber offers 5 key advantages.

1. Thicker Blanket – Can be manufactured in thicknesses up to 3"; fewer insulation layers mean faster installations.

Offers the highest insulating value achievable in a ceramic fiber of given density and thickness.

2. Cleaner–Totally Inorganic – None of the binder burnout associated with other insulation products. No phenolic resin which can form formaldehyde during burnoff.

3. Flexible and Resilient – Remains soft and pliable at temperatures up to 1900°F.

4. Superior Handling Strength – Needle felting produces exceptionally strong blanket. Larger pieces of insulation can be installed without fear of tearing loose from the installer’s grip.

5. High Temperature Capability – Available in temperature grades up to 2700°F. Maintains peak insulation integrity in the toughest operational environments.



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NOTE: Vesuvius always recommends the use of respirators, eye protection, and protective clothing when handling ceramic fiber. A light water spray applied over ceramic fiber modules before tamping will reduce the level of airborne respirable fibers. Consult our “Safe Workplace Guidelines for Handling RCF” for details. The data represents typical properties and is subject to usual variation. Temperature limits should be used as a general guideline.

Refractory Solutions from Vesuvius:



ALUMINA-SILICA

Castables and Gunning Products



CRITERION®

Low & Extra Low Cement Castables



TOP GUN®

Refractory Gunning Materials



ALUGARD®

Non-Wetting Castables and Gunning Mixes



SPRAYFORM®



TRIAD®

Cement-Free Castables

FOR THESE APPLICATIONS

- Boilers
- Aluminum Furnaces
- Tunnel Kilns
- Incineration
- Hydrocarbon Processing
- Ladles
- Mineral Processing
- Many Others



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Quality Monolithic Refractory Products, Systems and Services.

Ease of installation, energy efficiency and overall cost-effectiveness make monolithic refractories attractive in both original lining constructions and in-process maintenance operations and a sure bet over pre-shaped refractory products such as brick or block.

Vesuvius is one of the world's leading suppliers of monolithic refractory products and related services, and a substantial part of its monolithic alumina-silica product line is made up of refractory plastics, ramming mixes and vibratables. These products, along with other types of monolithic refractory specialties, are used in industries including:

- Aluminum
- Foundry
- Hydrocarbon Processing
- Rock Products
- Steel
- Waste-to-Energy Systems
- Power Generation

Plastics and Ramming Mixes

By eliminating joints, Vesuvius plastics and ramming mixes reduce process gas infiltration, energy loss, thermal spalling and chemical attack. These products are easy to install and can be shaped to virtually any contour, providing a range of equipment design flexibility not possible with other types of refractories.

Vibratable Refractory Mixes

Refractory vibratables are available in a variety of alumina-silica formulations. These chemically bonded, low moisture content refractories are shipped ready-to-install and create lamination-free surfaces with excellent density characteristics. The wide range of vibratable products from Vesuvius are used in application service temperatures from 800°F to 3200°F.



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