

Manufacturing & Product Development



Products Suited to Your Needs and to Your Budget

WAM® Premium Grade mixes are manufactured using high grade raw materials. These products can solve specific problems or provide long term, cost effective service life.

Enhanced Monolithic Technology allows the use of one third of the normal water addition to mix conventional cement containing castables to “ball in hand” consistency. WAM® EMT Castables are very easy to install, with less water resulting in better densities, and higher strengths.

WAM® CG products are Construction Grade mixes formulated with conventional raw materials, providing end users with the quality and installation characteristics they expect, at competitive prices.

WESTMORELAND ADVANCED MATERIALS, LLC

110 Riverview Drive
Monessen, PA 15062

Phone: 724-684-5902

Fax: 724-684-5962

Email Through Our Web Site:

www.westadmat.biz



Refractory Developments

Software Optimized Particle Size Distribution

Maximizes low water flow, maintains high density and strength. This technology is used throughout our product line.

Set & Flow Modifiers for Low & Ultra-Low Cement Castables

Improved working time, consistent setting time and extended shelf life. Working times and set times can be modified to specification.

Enhanced Monolithic Technology

Allows use of conventional cement containing castables at significantly lower water contents, providing ease of installation and improved properties.

Silica Free, Micro Porous Castable and Gun Mix

Provides aluminum manufacturers an opportunity to reduce energy consumption and maintenance cost.

Alkali Resistant, Cement Free Monoliths

Improved performance in Pulp & Paper and Minerals Processing applications.

Acid Resistant, Cement Free Monoliths

Greater flexibility in lining acid regeneration units, reduced lead time compared to acid brick availability and improved thermal characteristics to protect rubber or urethane membrane linings

Services for Shape Manufacturers

WAM® can supply bulk packaging of castables for large parts, custom additives to modify working and set times, & engineered products to allow for limited control dry outs.

Labor can be supplied at our plant to pour shapes using your molds if needed. We have high capacity, high intensity mixers available to minimize water additions and make the best possible parts.

Westmoreland Advanced Materials™ has several ovens and kilns with capability to dry or to fire your shapes up to 2800 °F. Whether you require “bone dry” pieces for a vacuum application, or if your “in situ” spinel castable part has to be sintered before it gets placed “in situ”, we can do it.



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Product Lines

High Purity Alumina Castables
Conventional, Low Cement & Ultra-Low Cement Castable
Low Cement & Ultra-Low Cement Pumpable &
Shotcrete Mixes
Cement Free Castables
Cement Free Shapes
Dry Mortars
Conventional, Reduced Cement & Insulating Gunning Mixes
Micro-Porous Castable & Gunning Mixes
Silicon Carbide Castables
Insulating Castables
Silica Free Castables & Gun Mixes

Manufacturing & Engineering Capabilities

Contract Packaging of Dry Powders
Contract Shape Casting
High Temperature Firing & Dry Out
Contract Product Development
Tolling & Private Labeling
CAD Engineering
Machine Design & Consulting
Application Consulting

Applications

Die Casting
Foundry
Integrated Steel
Mini Mills
Minerals Processing
Heat Treating and Forging
Pulp & Paper
Power Generation
Vacuum Furnace Applications
Soaking Pits
EAF Deltas
Ladle Nozzle Block & Lip Rings
Kiln Furniture