



Product Bulletin

## Gray Matter® II

### PRODUCT BENEFITS

**Gray Matter II** is a high performance flour blend for Investment Casting back up slurries.

- Improved permeability to help reduce non-fill and autoclave cracking.
- Fiber based shell system for thicker and faster shell build to help reduce coats.
- Improved knock out for easier shell removal.
- Optimized slurry rheology will substantially shorten your drain times and increase your foundry's output.
- Optimized shell build for uniform coverage of corners and edges without neglecting the flow needed to fill slots and holes in difficult castings.
- Reduce handling damage and cracking with a strong laminar shell.

### GENERAL DESCRIPTION

**Gray Matter II** is a patented dry blend of Fused Silica and high performance additives that were jointly designed by Minco and Nalco research. The objective of this product was to build on the strengths of original Nalco Gray Matter® and Minco WDS investment casting shell systems. The increased shell build coupled with the improved permeability will help remove dips and minimize autoclave shell cracking.

### PRODUCT APPLICATION

Because each foundry has different requirements, **Gray Matter II** is engineered with built in flexibility to adjust for specific needs of each foundry. Your Nalco or Minco representative will work with each customer to optimize the blend for your process.

### STORAGE AND HANDLING

Read the label and Material Safety Data Sheet for complete handling information before using this product. Bags should be stored in a dry location protected from the elements.

### SHIPPING

**Gray Matter II** will be packaged in 55 pound bags and 2200 pound supersacks that are shipped from Midway, TN.

### REMARKS

If you need assistance or information, please call your nearest Nalco or Minco representative, or our Naperville office at (630) 305-1000.

For **Medical and Transportation Emergencies** involving Nalco products, call (24-hour response) 1-800-I-M-ALERT or (800) 462-5378

#### Nalco Company

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