



**Mid-Mountain Materials**

# THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

## THERMOSEAL® MOLDABLE

THERMOSEAL® Moldables are high temperature resistant refractory materials designed for a wide variety of applications from fireplace applications to furnace repair. THERMOSEAL® Moldables can be formed to shape (i.e. fireplace logs, lightweight refractory shapes), used for refractory lining repair (cracks and holes) or layered over existing refractory as surface coating.

THERMOSEAL® products are non-toxic, asbestos and refractory ceramic fiber free, and are easily cleaned up with warm water while in the wet state.

### AVERAGE PHYSICAL PROPERTIES

### M22 Pumpable

### M33

	M22 Pumpable	M33
Description	Pumpable	Moldable
Consistency	Sticky Paste	Smooth Putty
Color, wet	White	Green
Use Limit, °F • °C	2300 • 1260	2000 • 1095
Linear Shrinkage % at use Limit	-3	+2
Wet Density (lbs/CF) (+/- 5%)	76	129
Dry Density (lbs/CF) @ 250°F • 120°C (+/-5%)	23	100
Fire Density (lbs/CF) @ use limit	21	74
Solids (% wet)(+/-1%)	28	55
Silica, % fired	54	80
Alumina, % fired	45	19

### APPLICATIONS

THERMOSEAL® Moldables are applied with the fingers, trowels, spatulas, or from caulking guns. Gloves should be worn when hand applying. THERMOSEAL® Moldables are easily formed to any contour or readily pressed into cracks and smoothed out. Water wet the tool to facilitate smoothing and contouring. Drying consists of removing the liquid portion of the mix usually by use of an external heat source at 200-220°F/93-104°C for approximately six hours per inch of thickness.

### USES

Trough linings for molten metal transfer, high temperature sealing and coating, light weight refractory shape manufacture, trough coating and patching, and furnace patching.

### PACKAGING

11 oz. Caulking tube, 32 oz. Caulking tube, One Gallon Bucket, Five Gallon Bucket, and 55 Gallon Drum

THERMOSEAL® Moldables can be custom formulated to meet specific application criteria. Special Packaging available upon request.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.