



# MOLDABLE 1150 AND 1150B

## ALUMINIUM AND ALUMINIUM ALLOY MOLDABLE

Pyrotek Moldable 1150 and 1150B are grey-white refractory mortars containing aluminium silicate fibres for improved strength and insulation. The moldables are typically used for casting distribution troughs and launder linings and can be applied by hand or trowel. These products may also be applicable for other high temperature or molten metal applications.



### COMPOSITION

Material	Approximate Percentage of Weight
Al <sub>2</sub> O <sub>3</sub>	22%
SiO <sub>2</sub>	76%
Other	2%

### BENEFITS

- Non-wetting to aluminium and zinc
- Easy handling and ready to use
- Can be applied by hand or trowel
- Excellent thermal insulation, low shrinkage and high surface strength

### APPLICATIONS

- Billet and slab casting tabletops
- Furnace refractory
- Gravity casting risers
- Launder or ladle refractory
- Cracked or damaged refractory linings

### PHYSICAL PROPERTIES

Property	Value
Appearance	Grey-white paste
Density–g/cm <sup>3</sup>	
Wet	1.25
Fired	0.70
Thermal Conductivity–kcal/mh°C	0.1 at 500°C
Maximum Service Temperature	1300°C
Linear Shrinkage– Dried at 800°C for one hour	0.7%
Transverse Flexural Strength–kg/cm <sup>2</sup>	20-30

### USE INSTRUCTIONS

1. Apply the moldable at room temperature. Wet the trowel to avoid moldable adhesion.
2. Apply the moldable to the work surface, then smooth.
3. Let the moldable dry for 30-60 minutes for thicknesses of 10 millimetres or less, and for three hours for thicknesses of greater than 30 millimetres.

### AVAILABILITY

- 5 kg pails
- 20 kg boxes (4 pails per box)

### STORAGE

- Store in a cool, dry place at temperatures above 5°C
- Tightly seal the containers between use
- 6-month shelf life

