



MOLDABLE 65

INSULATING MOLDABLE

Moldable 65 is a ceramic fibre composition dispersed in a sticky water-based binder. The moldable is durable and insulating, and can be applied by caulking, troweling or hand forming. The moldable also contains an anti-freezing component and dries to a strong, hard, erosion-resistant finish.

BENEFITS

- Spreads easily, finishes smoothly
- Low shrinkage
- Reduced joint maintenance and metal penetration
- Forms secure bonds with all standard materials
- Molten aluminium resistant

PHYSICAL PROPERTIES

Property	Value
Wet Density—g/cm ³ (lb/ft ³)	1.50 (93.4)
Fired Density—g/cm ³ (lb/ft ³)	0.98 (60.8)
Percent Solids (%)	65.1
Linear Shrinkage— Fired 24 hours at 750°C (1382°F) Fired 24 hours at 1000°C (1832°F)	<0.18% <2.28%
Modulus of Rupture—MPa (psi) Dried 24 hours at 120°C (248°F) Dried 24 hours at 750°C (1382°F)	6.20 (899.23) 3.80 (551.14)
Maximum Continuous Service Temperature	900°C (1652°F)
Loss on Ignition— Dried samples at 1000°C (1832°F)	3.00%
Bonding Strength—MPa (psi) Dried 24 hours at 110°C (230°F)	2.11 (306.6)
Thermal Conductivity— W/m-K (BTU·in/ft ² ·hr·°F) at 200°C (392°F) at 400°C (752°F) at 650°C (1202°F)	0.14 (0.97) 0.17 (1.18) 0.21 (1.46)



APPLICATIONS

- Refractory cracks
- Door jambs
- Billet hot top basins
- High-temperature sealing applications
- Refractory trough lining joints
- Cathode collector bar sealing

AVAILABILITY

Please check with your Pyrotek Sales Engineer regarding packaging options in your region. In general, the following packaging options are available:

- 1 gallon (4L) pails
- 5 gallon (19L) pails
- 10.3oz (305 mL) caulking tubes

STORAGE AND TRANSPORTATION

- 12 month shelf life from the manufacture date when stored unopened in the original packaging at room temperature
- Avoid freezing temperatures during transportation and storage as the product could be rendered unusable if frozen

HEALTH AND SAFETY

Prior to use, refer to the product safety datasheet for proper handling and required personal protective equipment.

