

# INSULATING CEMENT



## Product Data

8/16: 5813

Description: Mineral Wool, Insulating Cement

- Features:
- All-purpose insulation offering thermal insulation and adhesion properties.
  - Light weight and low thermal conductivity make this product highly efficient in reducing heat losses.
  - Easily applied with a trowel.
  - Superb workability and adhesive properties.
  - Contains **no** asbestos.

- Uses:
- Can be used on almost any size or shape of furnace or heating equipment as a surface coating or for patching.

### Chemical Analysis: Approximate (Calcined Basis)

Silica (SiO <sub>2</sub> )	48.6%
Lime (CaO)	27.6%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	13.6%
Magnesia (MgO)	5.8%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	2.2%
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O)	2.0%
Titania (TiO <sub>2</sub> )	0.2%

### Physical Data (Typical)

Maximum Service Temperature	1900°F (1038°C)
Material Required	
1-in. (25 mm) Dried Thickness	2.4 lb/ft. <sup>2</sup> (11.7 kg/m <sup>2</sup> )
Thermal Conductivity	Btu·in/hr·ft <sup>2</sup> ·°F (W/m·°C)
At 75°F (24°C)	0.52 (0.075)

Note: This product is manufactured for HarbisonWalker International by a third party. The results reported here have been supplied by the third-party manufacturer. The above data are reported as typical properties and should not be taken as establishing maximum or minimum specifications. The above data are not intended as a warranty of any kind.

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Mixing and Using Information (Water calculated at 8.337 lb/gallon)	55 lb bag	1000 lb bag	1500 lb bag
Water Required—Troweling (Weight 185.0%)			
Pounds	101.8	1850.0	2775.0
Gallons	12.2	221.9	332.9
Liters	46.1	838.3	1257.5

For detailed mixing and using instructions, contact your HWI representative or visit [www.thinkHWI.com](http://www.thinkHWI.com).

### Heatup/Dryout Schedule

Not applicable

### Installation Guidelines

For temperatures up to 1900°F (1038°C)

## Directions for Mixing and Use

This product is a mineral wool insulating cement. Its thermal insulating, workability, and adhesive properties make it an excellent choice for surface coating and patching.

When using part of a bag, first dry mix entire bag. Use clean mixing equipment. Add only clean cool water suitable for drinking.

### For Trowelled Joints:

The water required is approximately 11 gallons (US) (42 liters) of water per 50 lbs. (22.7 kg).

Too much water will reduce mortar strength. Thin brick joints give best results. Each joint should be completely filled with mortar.

Shelf Life (Under Proper Storage Conditions)	365 days
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