



# LadleMag

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**Material Installation**



**LadleMag sintered onto working brick**

LadleMag is designed as a Ladle backfill material.

LadleMag is designed as a low-cost high-performance ladle backfill material. Backfill helps to minimize steel penetration, tighten working linings and protect safety linings. Typical concerns are air-borne carcinogens, cost and difficulty/time of installation. LadleMag excels in all of these areas.

The product has excellent flow characteristics for easy installation, a binder to stiffen material after installation, and a dust suppressant to keep work environment less dusty. The material is based on synthetic forsterite which provides both low density for low thermal conductivity and good refractoriness. This advantage of lower density than other products means it will take less material and is more ergonomic to work with.

LadleMag will not stick to the safety lining so there is less material to clean off of the old safety lining for the next reline and less damage to the old safety lining. LadleMag costs less than any other backfill currently on the market.

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**Phone: 1-800-609-5711**  
**[www.FRCglobal.com](http://www.FRCglobal.com)**



### Typical chemical analysis (% by weight)

MgO	45-55 %
SiO <sub>2</sub>	35-45 %**
Fe <sub>2</sub> O <sub>3</sub>	5-7 %
Na <sub>2</sub> O(SiO <sub>2</sub> ) <sub>x</sub> .(H <sub>2</sub> O) <sub>x</sub>	0-5 %
Al <sub>2</sub> O <sub>3</sub>	< 2 %
CaO	< 2 %
L.O.I.	< 1 %
Others	1.0 – 2.0 %

\*\* More than 99% of the silica is chemically linked to magnesium.

Standard Size: 35-70 (40 mesh)

FRC Global is a leading supplier of refractories, electrodes, and high temperature combustion systems.

We provide outstanding results for our clients within the iron, steel, and non-ferrous industries. Our company's reputation is built by delivering high quality products made with premium raw materials.

Through the use of vast global resources, all of us at FRC Global are committed to being the value creators and problem solvers for our industry.

