



Magfill



In light of the new EPA silica exposure limits, FRC Global is offering a replacement for quartz sand in backfilling of pour tile in bottom-pour operations. Magfill has no respirable silica, and is less dusty. Magfill is available in fractions without mono-sizing, allowing for better compaction without sacrificing flowability. Magfill has been calcined, so it is volume stable, hard and angular.

Magfill is made from virgin raw materials. No reclaimed sand or minerals is used. Our sand blends are produced according to our proprietary formula.

TYPICAL CHEMICAL ANALYSIS (% by weight):

MgO	45-55 %
SiO ₂	35-54 %**
Fe ₂ O ₃	5-7%
Al ₂ O ₃	Less than 2 %
CaO	Less than 2 %
Others	0.0-2.0 %

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

TYPICAL AS RECEIVED PROPERTIES:

Fusion Temperature:	°C>1700
Hardness (mohs scale):	6 to 6.5
Thermal expansion:	% in/in 0.01
Thermal conductivity:	Very low
Bulk Density:	lbs/ft ³ 82-87
Compacted density:	lbs/ft ³ 93-100
pH:	8.4



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.



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