

Magnesia-Alumina Binder

LIMAGEL

1 Introduction

The silicon-free magnesia-alumina binder is designed for high-performance alumina spinel castable. It increases the high temperature strength while maintaining favorable slag resistance & erosion resistance.

Instruction: 3%-6% by weight, depending on the specific situation.

3 Pictures



Magnesia-Alumina Binder

2 Application

Proven record of customer satisfaction in a variety of applications:

Carbon-free alumina magnesia precast bricks, RH, CAS, UT impregnated tubes, steel sprayed argon blown spray guns. cement-free corundum magnesia-based castable.



4 Package and storage

Convenient packages of 25kg paper/plastic woven bag as well as 1mt bulk bag are available. Other customized packages are provided upon request.

For best product performance and longer shelf life, re-packing is not recommended.

Shelf Life: 3-6months.

5

Chemical & Physical Properties

		Magnesia-Alumina Binder	
Item		Magel-45	Magel-50
Chemical Properties ^[1]			
Al ₂ O ₃	[%]	53.4	51.5
MgO	[%]	42.5	38.2
CaO	[%]	/	/
SiO ₂	[%]	/	/
Physical Properties ^[2-3]			
≤45um	[%]	99.0	95
Rupture Strength	[MPa]	7.6	8.2

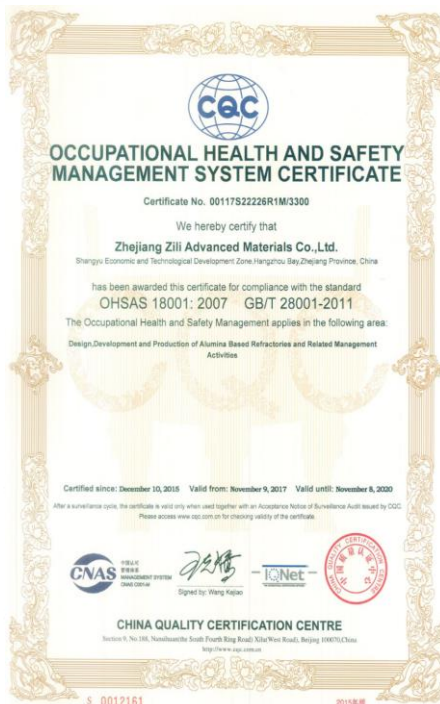
[1]: [1]: Thermal Science X-ray Fluorescence Analyzer and Thermo Fisher Scientific Atomic Absorption Spectrometer are used to measure the chemical composition.

[2]: The method of water-washing and screening the fines is used to measure the fraction of ≤45um

[3]: The method of casting bar samples with a certain formula are fired 110°C for 24H is used to test Rupture strength.

6

Certification



7

Shipping



8

Contacts for Sales, Technical Service

Zhejiang Zili Advanced Materials Co., Ltd
Add: 338th Baixie Rd, Baiguan Town, Shangyu City,
Zhejiang Province, 312300, China
Tel: +86-0575-82112629
Fax: +86-0575-82112629
Email: sales@zilialutech.com
Web: www.zilialutech.com

Zili USA LLC
Add: 100 Ali Street, Pittsburgh, PA, 15215, USA
Tel: +001-412-418-6676
Email: jsum@ziliref.com