

MILBRO REFRACTORIES, INC.

MILSHOT AZ-SIC

MILSHOT AZ-SIC is a high purity, mullite based, alumina zirconia, silicon carbide, lower cement shotcrete product. Product designed especially for cement and lime applications. The non-wetting properties does not allow adhering or build up of clinker. Mullite based products are excellent for alkali attack, and have thermal shock properties. Product typically used in the pre-calciner and cooler areas. Areas include risers, feed shelves, cyclones, throat, hood, duct work, and cooler sidewalls. Product can be shotcreted or pumped. When shotcreted, binding agent is added at nozzle.

Service Temperature	3100°F
Material Required for Estimating	168 lbs./ft³
Mixing Water Required	6.5-8.0% Refer to Mixing Instruction Page

TYPICAL CHEMICAL ANALYSIS

ZrO ₂	10.01
Al ₂ O ₃	35.91
SiO ₂	37.83
Fe ₂ O ₃	0.92
TiO ₂	1.21
CaO	4.62
SIC	9.29

Temperature °F	Modulus of Rupture, psi	Abrasion Resistance g/cc	Linear change %
220°F	3000	7.4	0.1 S
1500°F			0.2 S
2500°F			0.4 S