



Features

- Very high tensile strength
- High resistance to tearing and abuse
- Low thermal conductivity
- Available in a wide range of densities and thicknesses
- Thermal shock resistant

Applications

- Heat treating and annealing furnaces
- Boiler insulation
- Pipe covering
- Kiln car insulation
- Ovens

CALSIMAG CSM is an alkaline earth silicate wool produced from high purity calcia, silica and magnesia raw materials. CSM is recommended for use where a non-RCF product is desired.

Physical Properties

Color	white
Density, pcf (<i>kg/m³</i>)	4, 6, 8 (64, 96, 128)
Continuous use limit, °F (°C)	1832 (1000)
Classification temp. rating, °F (°C)	2012 (1100)
Linear shrinkage, %, 24 hours isothermal conditions @ 1800°F (983°C)	<1

Chemical Analysis, Nominal %

Calcium, CaO	27 - 31
Silica, SiO ₂	63 - 69
Magnesia, MgO	3 - 5
Other	<3

Thermal Conductivity, BTU·in./hr·ft²·°F (*w/mK*) (ASTM C 201)

Mean temperature, @ 500°F (260°C)	0.44 - 0.47 (0.06 - 0.07)
@ 1000°F (538°C)	0.83 - 0.94 (0.11 - 0.13)
@ 1500°F (816°C)	1.35 - 1.57 (0.19 - 0.23)
@ 2000°F (1093°C)	1.92 - 2.26 (0.28 - 0.33)

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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