

MIZZOU® G PLUS



Ref: 52/19/03/13

Product Data

Description: 1650°C Gunning Refractory.

- Features:
- Low iron content.
 - Good slag resistance.
 - Excellent volume stability.
 - Developed especially for gun placement to allow quick installations and/or repairs with a minimum of downtime.

- Uses:
- Combustion chambers.
 - Low temperature incinerators.
 - Air heaters.
 - Boilers and burner blocks.
 - Aluminum furnace upper sidewalls and roof regions.
 - Forge furnaces.
 - Iron foundry ladles.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	36.3%
Alumina - Al ₂ O ₃	57.6%
Titania - TiO ₂	2.0%
Iron Oxide - Fe ₂ O ₃	1.0%
Lime - CaO	2.9%
Magnesia - MgO	0.1%
Alkalies - Na ₂ O + K ₂ O	0.3%

Physical Properties

Maximum Recommended Temperature	1650°C
Quantity Required	2210 Kgs/m ³
Bulk Density	Kgs/m ³
After Heating at 105°C	2260 - 2390
After Heating at 815°C	2180 - 2305
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	5.0 - 13.0
After Heating at 815°C	3.0 - 7.0
After Heating at 1095°C	2.0 - 5.0
After Heating at 1370°C	3.0 - 7.0
Hot Modulus of Rupture	MPa
At 1370°C	4.6
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	20.0 - 55.0
After Heating at 815°C	13.0 - 35.0
After Heating at 1095°C	10.0 - 25.0
After Heating at 1370°C	17.0 - 40.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	<0.5% Shr
After Heating at 815°C	0 - 0.3% Shr
After Heating at 1095°C	0 - 0.5% Shr
After Heating at 1370°C	0.5 - 2.0% Exp
After Heating at 1600°C	0 - 2.0% Exp
Thermal Conductivity	W/mK
At 205°C	1.20
At 425°C	1.15
At 650°C	1.12
At 870°C	1.10
At 1095°C	1.10
At 1315°C	1.11
Shelf Life (Under Proper Storage Conditions)	365 days

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS, Installation Guidelines and Dry Out Schedules are also available.

ANH Refractories Europe is part of the ANH group a family of companies incorporating AP Green, Narco and Harbison Walker.

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