GREENTEC 170 LG

Product Data

Ref:96/31/10/12

Description: Low Cement Gunning Mix for use up to 1700°C

Features:
- High hot strength.
- Excellent strengths.
- Very good abrasion resistance.
- Good thermal shock resistance.

Uses:
- Petrochemical industry.
- Incineration.
- Cement kilns
- Various steel applications.

Chemical Analysis: Approximate (Calcined Basis)	
Silica - SiO_2	22.3%
Alumina - Al_2O_3	72.7%
Titania - TiO_2	1.6%
Iron Oxide - Fe_2O_3	0.9%
Lime - CaO	2.2%
Magnesia - MgO	0.1%
Alkalies - $Na_2O + K_2O$	0.2%

Physical Properties	Gunned
Maximum Recommended Temperature	1700°C
Quantity Required	2300 Kgs/m^3 Note: No allowance for rebound loss
Bulk Density	Kgs/m^3
After Heating at 105°C	2300 - 2400
After Heating at 815°C	2250 - 2350
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	5.0 - 10.0
After Heating at 815°C	5.0 - 10.0
After Heating at 1095°C	8.0 - 15.0
After Heating at 1370°C	10.0 - 15.0
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	30.0 - 50.0
After Heating at 815°C	30.0 - 50.0
After Heating at 1095°C	40.0 - 60.0
After Heating at 1370°C	50.0 - 70.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	<0.05% Shr
After Heating at 815°C	0.1% Shr
After Heating at 1095°C	0.3% Shr
After Heating at 1370°C	1.5% Exp
After Heating at 1600°C	0.1% Exp
Thermal Conductivity	W/mK
At 205°C	1.43
At 425°C	1.33
At 650°C	1.24
At 870°C	1.19
At 1095°C	1.17
At 1315°C	1.17
Shelf Life (Under Proper Storage Conditions)	180 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.
For more information Tel:+44(0)151 641 5900, Email: sales@anheurope.co.uk, Web: www.anheurope.co.uk