

GREENSPRAY 16

Product Data

Ref:32/31/10/12

Description: Heat Setting Maintenance Refractory.

- Features:
- Material may be installed by gunning and also hand trowelling.
 - Excellent resistance to thermal cycling.
 - Suitable for use on both hot and cold linings.

- Uses:
- Repairs to furnace linings, where properties similar to that of a plastic or mouldable are required, as similar strength patterns and excellent resistance to thermal cycling are exhibited.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	50.5%
Alumina - Al ₂ O ₃	44.8%
Titania - TiO ₂	1.3%
Iron Oxide - Fe ₂ O ₃	1.2%
Lime - CaO	1.3%
Magnesia - MgO	0.2%
Alkalies - Na ₂ O + K ₂ O	0.6%

Physical Properties

Physical Properties	Gunned
Maximum Recommended Temperature	1600°C
Quantity Required	2050 Kgs/m ³
Bulk Density	Kgs/m ³
After Heating at 105°C	2080 - 2160
After Heating at 815°C	2000 - 2080
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	0.5 - 2.0
After Heating at 815°C	1.0 - 3.0
After Heating at 1095°C	1.0 - 4.0
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	8.0 - 20.0
After Heating at 1095°C	10.0 - 25.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	0 - 0.2% Shr
After Heating at 815°C	0 - 0.3% Shr
After Heating at 1095°C	0 - 0.4% Shr
After Heating at 1370°C	0 - 1.0% Exp
After Heating at 1550°C	0.5 - 1.5% Shr
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 and Installation Guidelines are also available.