

TUFSHOT LI PLUS

Product Data

Ref:213/28/02/13

Description: Fireclay Based Gun Mix With Low Iron Calcium Aluminate Binder.

- Features:**
- Specifically designed to maximise gunability and equipment compatibility, and minimise dusting.
 - Excellent coverage and low rebound loss.
 - Excellent resistance to destruction by carbon monoxide as a result of low iron content.

- Uses:**
- Ash hoppers.
 - Petrochemical vessels.
 - Stacks.
 - Incinerators.
 - Rotary kilns.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	38.8%
Alumina - Al ₂ O ₃	46.5%
Titania - TiO ₂	1.6%
Iron Oxide - Fe ₂ O ₃	1.7%
Lime - CaO	10.8%
Magnesia - MgO	0.2%
Alkalies - Na ₂ O + K ₂ O	0.5%

Physical Properties

Maximum Recommended Temperature	Gunned
Quantity Required	1425°C
Bulk Density	1860 Kgs/m ³
After Heating at 105°C	Kgs/m ³
Modulus of Rupture - ASTM C133 and C865	2020
After Heating at 105°C	MPa
After Heating at 815°C	5.5
Cold Crushing Strength - ASTM C133 and C865	2.8
After Heating at 105°C	MPa
After Heating at 815°C	26.2
Permanent Linear Change - ASTM C113 and C865	18.6
After Heating at 815°C	0.3% Shr
After Heating at 1370°C	0.1% Exp
Thermal Conductivity	W/mK
At 200°C	0.89
At 400°C	0.92
At 600°C	0.95
At 800°C	0.96
At 1200°C	0.99
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.