

Description: Pumpable, Low moisture, Special Zirconia-Mullite Castable.

- Features:**
- Excellent strength and abrasion resistance.
 - Low thermal conductivity.
 - Low permeability.
 - Inert to alkalis.
 - Resists buildup and clogging.

- Uses:**
- Cement preheaters, feed inlets, and calciners.
 - Feed shelves in wet process kilns.
 - Nose Rings.
 - Risers.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	19.2%
Alumina - Al ₂ O ₃	50.9%
Titania - TiO ₂	0.1%
Iron Oxide - Fe ₂ O ₃	0.2%
Lime - CaO	1.5%
Alkalies - Na ₂ O + K ₂ O	1.4%
Silicon Carbide - SiC	4.9%
Zirconia - ZrO ₂	21.8%

Physical Properties

Physical Properties	Vibration Cast
Maximum Recommended Temperature	1540°C
Quantity Required	2900 Kgs/m ³
Water required for mixing per 100 Kgs	5.5 Litres Approximately
Bulk Density	Kgs/m ³
After Heating at 105°C	2770 - 2990
After Heating at 815°C	2770 - 2950
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	7.0 - 15.0
After Heating at 815°C	14.0 - 20.0
After Heating at 1095°C	20.0 - 30.0
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	50.0 - 80.0
After Heating at 815°C	60.0 - 80.0
After Heating at 1095°C	70.0 - 100.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	0.0%
After Heating at 815°C	0.3% Shr
After Heating at 1095°C	0.4% Shr
Abrasion Loss - ASTM C704,	CC Loss
After Heating at 815°C	6.8
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.