

Description: Extra-High-alumina, phosphate-bonded, plastic.

- Features:**
- High density.
 - Outstanding strength and refractoriness.
 - Excellent pliability enables less time to install and to 6 month shelflife reduces waste.

- Uses:**
- Steel and foundry ladles.
 - Argon-oxygen decarburisation vessel spouts.
 - Reheat furnace hearths.
 - Iron coreless and channel induction furnace spouts.
 - Aluminium and brass furnace door jambs.
 - Aluminium furnace sidewall bellyband repairs
 - Forge furnace hearths.
 - Fluid catalytic cracker cyclones and transfer lines.
 - Cement kiln nose rings.
 - Any application that requires ultra-high-performance plastic.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	5.0%
Alumina - Al ₂ O ₃	91.0%
Titania - TiO ₂	0.1%
Iron Oxide - Fe ₂ O ₃	0.1%
Lime - CaO	0.1%
Magnesia - MgO	0.2%
Alkalies - Na ₂ O + K ₂ O	0.3%
Phosphorus Pentoxide P ₂ O ₅	3.2%

Physical Properties

Maximum Recommended Temperature	1760°C
Quantity Required	3160 Kgs/m ³
Bulk Density	Kgs/m ³
After Heating at 345°C	2920
After Heating at 1400°C	2770
Modulus of Rupture - ASTM C491	MPa
After Heating at 345°C	19.3
After Heating at 1400°C	12.4
Hot Modulus of Rupture	
After Heating at 1400°C	2.8
Cold Crushing Strength - ASTM C113 and C865	MPa
After Heating at 345°C	62
After Heating at 1400°C	54.5
Abrasion Loss	cc
After Heating at 815°C	3.5
Permanent Linear Change - ASTM C179	
After Heating at 345°C	0.5% Shr
After Heating at 1400°C	1.5% Exp
Thermal Conductivity (at the mean temperature of)	W/mK
205°C	2.28
425°C	2.23
650°C	2.19
870°C	2.15
1095°C	2.22
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.

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