

# FURNASCOTE NON VIT

**FURNASCOTE NON VIT** is an off white, neutral and high-grade zircon rich refractory cement specifically formulated to produce a very durable refractory barrier. It is supplied as a dry powder to which water is added to form a creamy paste consistent with its application.

**FURNASCOTE NON VIT** is odourless, tasteless and non-poisonous and is unaffected by most acids or most alkalies in liquid or gaseous form.

**TEMPERATURE RANGE** 1900 Celsius

**FUNCTION**, to prolong refractory life over its service temperature range, reducing shutdown times and increasing efficiency.

**USES**, as a Patching material it can be applied in self supporting layers of up to 6mm thickness per layer to repair damaged refractory.

As a Wash coat it can be applied up to 3mm thickness by brush or spray as a refractory barrier.

As a Mortar it can be applied from 1.5mm to 6mm thickness to give a strong gas tight joint.

**FURNASCOTE NON VIT** gives a smooth matt white surface to refractory linings.

## TYPICAL PROPERTIES

|           |                                |                     |
|-----------|--------------------------------|---------------------|
| Zirconium | ZrO                            | 62.97%              |
| Silicon   | SiO <sub>2</sub>               | 32.06%              |
| Alumina   | Al <sub>2</sub> O <sub>3</sub> | 1.63%               |
| Fluorine  | Fl <sub>2</sub> O <sub>3</sub> | 0.25% (as flouride) |
| Calcium   | CaO                            | 1.37%               |
| Boron     | B <sub>2</sub> O <sub>3</sub>  | 1.10%               |
| Magnesium | MgO                            | 0.34                |

## 10 REASONS TO USE FURNASCOTE NON VIT

- Reduces Slag Adhesion
- Reduces Spalling
- Helps Eliminate Cracking
- Gives a Gas Tight Surface
- Reduces the effect of Thermal Shock
- Added resistance against Abrasion and Erosion
- Reduces Replacement and Maintenance Costs.
- Increased Production
- Increased life of Refractories
- Savings in Energy

## **INDUSTRIAL USES**

Aluminium Refineries, Smelters, Ingot/Billet producers. Boiler manufacturers.  
Cement Industry. Ceramics/Pottery Industry. Foundries, Ferrous and Non Ferrous.  
Glass Making. Incinerators and Waste Disposal. Iron and Steel Industry. Heat treatment.  
Oil and Petrochemical Industry. Power Stations (Steam Generation)

## **APPLICATIONS**

Annealing Furnaces, Steam Boilers, Carburising Furnaces, Catalytic Crackers, Chimney  
Stacks, Furnaces and Heaters, Kilns, Launderers and Receivers (Liquid Metal), Reformers,  
Reheat Furnaces, Retorts,  
Waste Heat Boilers

The claims in this leaflet were to be believed to be correct at the time of publication and made in good faith based on exhaustive tests carried out over a long period. The manufacturer and their agents cannot however accept any responsibility for the behavior of the material(s) in any individual case. Potential users are advised to check that this information is still applicable and the products(s) are suitable for their intended use.