

Zircon Washes

Rojan can offer zircon based refractory composition powders to suit:

- ceramic fibre and other fibrous refractory insulation material — **FIBRECOAT**
- bricks, monolithics, castables and steel sheets in furnaces, boilers and various high temperature vessels—**FURNASCOTE**
- ferrous and non-ferrous metal melting industries — **ZIROX 25**



Lintel: After application



Lintel: Before application

FIBRECOAT

Can solve many of the problems associated with the reclassification of refractory ceramic fibre as a Class 2 Carcinogen.

Fibrecoat improves the fibre surface by:

- binding the surface fibres
- forming a thin skin over the ceramic fibre lining
- improving resistance to high gas velocity, flames, corrosive gases, splashes from molten metal and many industrial chemical processes
- allowing the fibre to serve closer to its classification temperature

Typical industrial applications are:

- Sanitary
- Ceramics
- Heat treatment
- Ferrous & non ferrous melting and refining
- Porcelain
- Brick making
- Petrochemical
- Chemical

Fibrecoat is supplied in dry powder form in 25 kg plastic pails.

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ZIROX 25

- forms a very durable refractory barrier which protects refractory materials and metal tools against molten metal attack
- is highly effective as a release agent enabling easy removal of solidified metal and dross.
- is applied by brushing, dipping, spraying or swabbing.

It can be applied on:

- Hand Ladles
- Skimmers
- Pyrometer Sheaths
- Gravity Dies and Cores
- Refractory Lined Molten Metal Transfer Ladles
- Tundishes
- Scrapers,
- Slagging Shovels
- Degassing Tubes
- LPDC Riser Stalks
- Ingot Moulds
- Launderers



Zirox 25 is a non-toxic paste available in 2 different packaging sizes:

- 8 kg metal can
- 20 kg plastic pail

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Boiler—Before application of Furnascote



Boiler - After application of Furnascote

FURNASCOTE

There are 2 types available:

- Furnascote **NON-VIT**—a versatile, general purpose product
- Furnascote **HI GLAZE**—used as a slag resistant finish to NON VIT when annealing furnaces, spouts and funnels

Furnascote has better adhesion properties than most conventional zircon based refractories. It is characterised by a very high content of zirconia (as 62.9% ZrO_2) which imparts extremely high resistance to the aggressive environment typically encountered at temperatures up to 1900°C.

A 3mm protective layer of Furnascote is gas tight at normal pressures and can typically increase the working life of any underlying refractory by a factor of two to four times.

It is used regularly in the following industries and processes:

- Aluminium
- Nuclear Energy
- Ceramics & Pottery
- Marine Shipping
- Brass & Non-ferrous
- Natural & Town Gas
- Chemical
- Petroleum
- Fertilizer
- Pulp & Paper
- Iron & Steel
- Sugar Refining

Furnascote comes packed in a 25 kg plastic pail (NON VIT) and 10 kg plastic pail (HI GLAZE).