

FIBERStone - A Fiber Reinforced Ceramic Composite

NOSE RING BLOCKS

FIBERStone is a combination of high temperature ceramic materials and up to 45% specially alloyed stainless steel fibres. The combination of these materials is directly dependent upon the application of the finished part. This product is supplied as a precast shape. Design and engineering of the individual parts take into consideration attachment, internal reinforcement and ease of installation. **FIBERStone** parts should be considered a "high temperature refractory metal". It is very effective when applied as a replacement for metal parts that are destroyed by process heat. **FIBERStone** is also an ideal solution for a wide variety of molten metal contact applications.

These photos cover the installation of 24 FIBERStone Nose Ring Blocks onto a 9 foot diameter calcium aluminate rotary kiln. Temperature at the Nose Ring areas is 1350°C.

Alumica produces 70,000 tons of product annually. During the past ten years we have supplied refractory products to Alumica for repairs to this area. Continuous maintenance, downtime and worst of all, damage to the kiln steelwork when refractory failed.

Alumica visited Carton St. Laurent, La Tuque, Quebec where we have, in one of their lime kilns, a similar **FIBERStone** Nose Ring in service. It went into service 29 months ago.

29 MONTHS

- No maintenance
- Minimal loss of thickness
- No distortion

FIBERStone Shapes

- Engineered for quick installation
- Fired to be put into service immediately
- Cost effective against any system
- Sold because customers are satisfied
- Should be flaunted everyday

FIBERStone is an investment against future higher costs and damage to furnace structure when conventional methods fail.

