



FIBERSTONE PRODUCTS

Part of the Dynamic-Materials Group

*High performance reinforced
pre-cast refractory for the most demanding
applications.*

COMPANY BROCHURE
2026



INTRODUCTION

Established in 2004, Fiberstone is a proud member of the Dynamic-Material Group, a global network of companies specialising in advanced stainless-steel fibres and filaments.

Using the advanced iMelt process to manufacture bespoke metal fibres, combined with innovative production techniques, Fiberstone delivers high-performance, tailored solutions for demanding applications where conventional materials fall short

Fiberstone has become a global name in ceramic-steel composite precast products, known for quality, innovation, and enduring performance.



FIBERSTONE PRODUCTS

Fiberstone's reputation is built on a foundation of uncompromising quality and exceptional customer service.

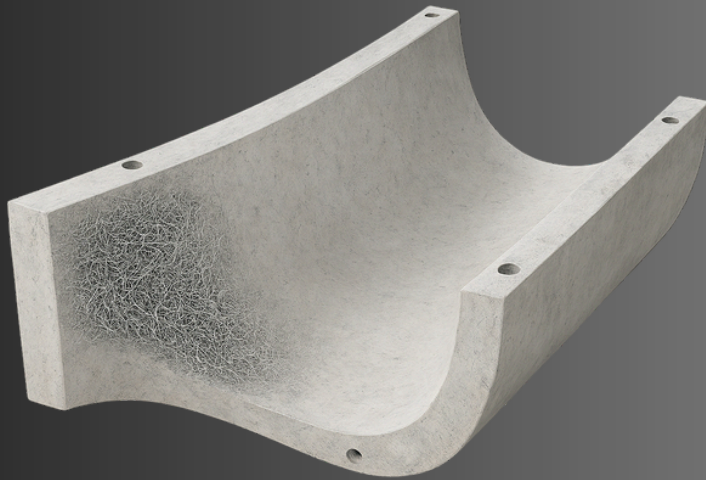
For more than two decades, the company has consistently delivered high-performance refractory solutions that exceed industry standards and customer expectations.

Fiberstone's commitment to precision engineering, rigorous quality control, and responsive customer support has earned the trust of clients across the globe.



THE PRODUCT

- Fiberstone is a custom-designed ceramic–steel composite refractory built for high-demand environments
- The structure is reinforced with application-specific stainless-steel fibres, each precisely formulated to enhance thermal resistance, mechanical strength, structural integrity and resistance to chemical attack.



This advanced material technology ensure Fiberstone delivers:

- Exceptional durability
- Reduced deformation
- Excellent creep resistance
- Consistent performance even under extreme temperature cycling, abrasion, and mechanical stress

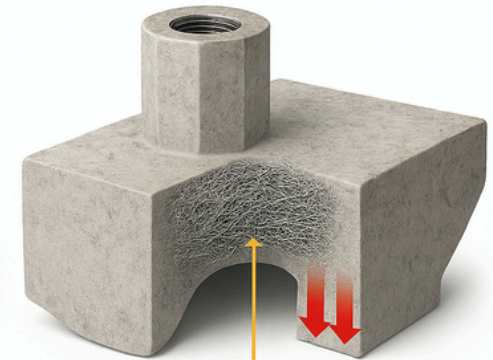
Fiberstone is a high-performance solution that has been developed through an extensive R&D programme, to provide exceptional operating performance in aggressive environments, where alternative products fail.

Traditional refractory systems can suffer rapid degradation from mechanical and thermal shock, chemical attacks which frequently results in costly unplanned maintenance downtime.

Standard Refractory



Fiberstone Composite



stainless-steel fibres

Specifically designed to reduce maintenance downtime, increase productivity and provide a high ROI, Fiberstone offers **reliable**, long-term **stability** and **predictable behaviour** in challenging operating conditions—making it a **trusted solution** for specialised, mission-critical processes.

WHY FIBERSTONE?

Fiberstone is an advanced reinforced pre-castable that sets a new benchmark for reliability in high-temperature operations.



TOUGH

Tolerates **high-impact** forces, ensuring **durability** in rigorous environments.



ABRASION & WEAR RESISTANT

Enhanced resistance to abrasion and surface wear, ensuring **longevity**.



THERMAL INSULATOR

Provides an **effective barrier** that protects metal structures from **thermal stress** and **distortion**.



CREEP RESISTANT

Engineered to **maintain its shape** under prolonged stress for **lasting stability**.



THERMAL SHOCK

Withstands rapid heating and cooling, making it ideal for repeated **thermal cycling**.

Fiberstone is the next generation in advanced refractory technology – designed to excel in the most demanding applications.



Fiberstone Nose Ring

THE BENEFITS



Increased speed of Installation (Fiberstone arrives ready to install)



Reduction in unplanned maintenance



Higher lifecycle return on investment



Increased production efficiency and performance output

PROUDLY SERVING INDUSTRIES

Engineered for Extremes

Fiberstone delivers **high-performance** refractory solutions engineered to withstand the most aggressive industrial environments. Whether managing the corrosive cryolite in Aluminium Smelters, the intense thermal cycling of Copper Producers, or the extreme temperatures of Iron & Steel furnaces, our materials are built for **endurance**.

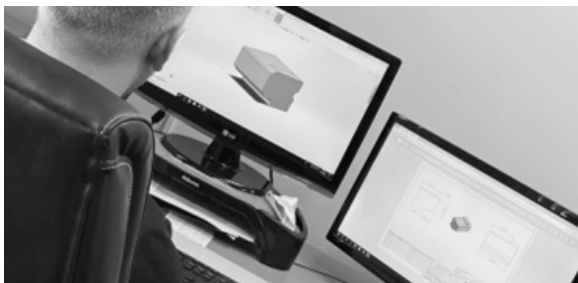
Fiberstone ensures your lining stays tougher for longer, even under the relentless mechanical and chemical stresses of heavy metal production.

Strength for Every Industry

Fiberstone has an extensive have a proven record of success across several industries and processes:

ALUMINIUM	CEMENT AND LIME	COPPER
• Holding furnaces • Metal transfer • Airflow control and temperature control • Dross management tools for cast house and smelting operations • Heat protection	• Rotary Kiln • Kiln hood & Burner Zone • Air blaster nozzles • Tertiary Air Ducts (TADs)	• Converters • TSL, Shaft furnaces, Anode furnaces • Dross Management • Metal Transfer
IRON AND STEEL	PETROCHEMICAL	PRECIOUS METALS
• Electric Arc Furnace • Metal transfer • Tundish • Heat protection	• Distillation/Holding of Waste • Sulphur Recovery Units (SRU) • Fluid Catalytic Cracking Units (FCCU) • Transfer Lines and Ducts	• Crucibles • Cupels • Metal transfer • Airflow and pressure control





OUR APPROACH

By working closely with customers and partners, Fiberstone gains a clear understanding of objectives, challenges, and operational needs.

Fiberstone delivers tailored solutions that exceed customer goals, drive measurable performance improvements and provide a highly attractive ROI.



EXCELLENCE

We deliver high-quality products and continuously strive for improvement.



INTEGRITY

We act with honesty and transparency in all situations.



INNOVATION

We encourage creativity and embrace new ideas and technologies.

SERVICE

We put the customer at the end of decisions and push to exceed expectations.



ADAPTABILITY

We are flexible in an ever-changing market and aim to embrace challenges as opportunities.



Fiberstone is the trusted partner across several industries – we are committed to delivering solutions that drive performance and provide long-lasting results for our customers every time.

Looking for something unique?

We are more than a supplier, we are innovators. With decades of R&D expertise, we develop tailored solutions for the most demanding applications. From concept to performance, our team is ready to help you overcome challenges and create breakthroughs. Contact us today to explore what's possible.

CONTACT US



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