



FIBRETECH[®]

Part of the Dynamic-Materials Group

FIBRE PORTFOLIO 2026





Reliable Reinforcement. Proven Performance.

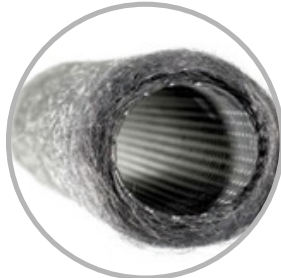
At Fibre Technology (Fibretech), we don't just manufacture stainless-steel fibres, we redefine what is possible. With over four decades of pioneering research in Rapid Solidification Technology (RST), our proprietary innovations continue to set new benchmarks for performance. Our advanced iMelt® process integrates state-of-the-art production methods to deliver high-grade reinforcement materials engineered for optimal performance in demanding applications.

Our extensive range of fibres provide exceptional solutions across several key industries, including Refractory, Construction, Automotive, Energy, and Petrochemical. Through our commitment to driving performance results, we support our customers at every stage of their project. We are proud of our reputation for performance, reliability and innovation; Fibretech is the trusted partner for the world's leading industries.

At Fibretech, we don't just manufacture fibres. We engineer solutions.



Melt Extract



Melt Overflow



Cut-wire



We are proud to be ISO 9001 and ISO 14001 certified, demonstrating our commitment to quality management and environmental responsibility.



WHY FIBRETECH FIBRES?

Our extensive range of fibres has been developed to provide engineered solutions for demanding applications, and refined through our continuous R&D programme, ensuring exceptional performance.

Fibretech fibres provide distinct improvements to the crack propagation, strength, corrosion resistance and increase to the overall performance longevity of applications compared to alternative fibre products.

We are a trusted supplier to a range of industries, from high-temperature processing to manufacturing. Our fibres are proudly used to reinforce materials that are prone to failure from thermal and mechanical shock and extend the operating performance by transforming the base material into a tough and highly tenacious composite.

We maintain the highest quality standards, with all products complying with BS EN14889-1 and ASTM A820-11. Fibretech has been the market leader for Melt Extract steel fibres for over 40 years and continues to set new performance benchmarks through its commitment to continuous improvement and innovation.

Conventional Steel Fibre Grades

Ferritic - 400 series

- Protective layer - chrome oxide
- High temperature oxidation resistance
- Magnetic

Austenitic - 300 series

- Protective layer - Cr and Ni
- Mechanical resistance at temperature
- Good high temperature oxidation resistance
- Non magnetic



Fibrex[®] HT

MELT EXTRACT

Fibrex HT is Fibretech's proprietary product researched and developed as an **enhanced alternative to ME446 and ME430** steel fibres.
An enhanced alternative to ME446-

- ✓ Higher oxidation resistance
- ✓ Increased strength
- ✓ Lower thermal expansion
- ✓ Higher ductility
- ✓ Higher thermal conductivity
- ✓ Less susceptible to going brittle

Fibrex[®] 446

MELT EXTRACT

Fibrex 446 is **ideal for continuous high-temperature use in refractories** exposed to elevated heat but low mechanical stress.

Applications include-

- » Torpedo ladles & aprons
- » Ladles, nozzles & security layers
- » Lids of cast iron & steel ladles
- » Vaults of electric ovens, doors, lintels & security layers
- » Cement works in heating hoods
- » Aluminium smelters in refineries

Fibrex[®] 430

MELT EXTRACT

Fibrex 430 is a **cost effective** stainless steel used for lower temperature applications.

Applications include-

- » Refractories subject to low mechanical and thermal stresses
- » Boiler floors for thermal power stations
- » Safety layers for distributors
- » Power stations
- » Co-generation boilers

Fibrex HT delivers high-performance capability with exceptional value, engineered as a superior and cost-efficient advancement over 446.



Fibrex 304 is a proven, globally trusted solution relied upon by the petrochemical industry worldwide.



Fibrex[®]304

MELT EXTRACT

Fibrex 304 stainless steel fibres are a **strong performing economical alternative to Cut-Wire and Slit sheet**. Complying with ASTM A820 type II and EN148889-1 group III, the unique chemistry results in superior corrosion resistance compared with traditional 304 Cut-Wire.

Applications include-

- » FCC's of refineries
- » Cement factories
- » Ideal for shotcrete applications, being easier to use and apply with low rebound losses.

Fibrex[®]310

MELT EXTRACT

Fibrex 310 is an advanced medium-nickel based fibre used in refractories mechanical and thermal stresses.

Applications include-

- » Nozzles, heating cowls, cooler walls, elbows, nose rings & cyclones in the cement industry
- » Fluid Catalytic Cracking (FCCs) in refineries
- » Rotary Kilns
- » Reheating or treatment furnaces & floors in incinerators.

Fibrex[®]330

MELT EXTRACT

Fibrex 330 is a high-nickel based fibre with exceptional performance characteristics designed for use in extreme operating conditions.

Applications include-

- » Reheating or treatment furnaces
- » Floors in incinerators

Fibrex[®]INCO

MELT EXTRACT

Fibrex Inconel 600 & 601 fibres offer superior corrosion resistance in oxidising and reducing furnace environments.

These fibres outperform other nickel-based alloys and help prevent refractory cracking and spalling.

Fibrex[®] HCA

CUT-WIRE

Fibrex HCA is a ferralloy stainless-steel cut-wire fibre that has been developed by Fibretech to provide enhanced performance in specific environments. Fibres are supplied in hooked-end or wavy form.

- ✓ HCA Alloy developed specifically to enhance oxidation resistance to high temperatures
- ✓ HCA Shape to improve hot strength and toughness in refractories
- ✓ Excellent oxidation resistance up to 1300°C
- ✓ Can be used continuously at 1300°C
- ✓ Ideal for continuous service applications
- ✓ Corrosion resistance in other industrial conditions
- ✓ Lower addition rate for cost effectiveness
- ✓ Low thermal conductivity reducing heat losses

Fibrex[®] CDW

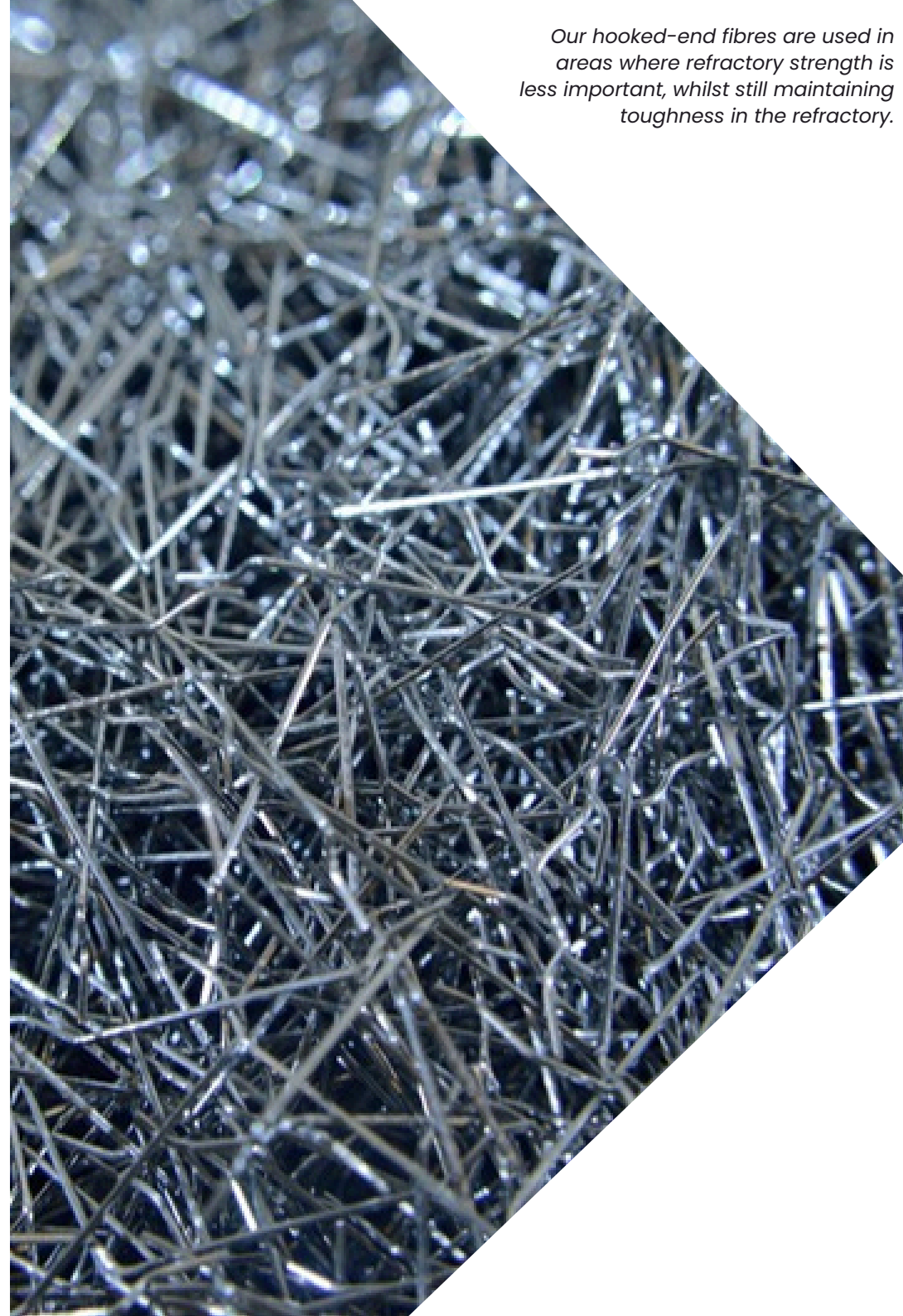
CUT-WIRE

Fibrex CDW is a 304 stainless steel cut-wire fibre that is primarily used to reinforce monolithic refractories in petrochemical applications. They reduce cracking and spalling from thermal and mechanical shock. These fibres meet AISI 304, ASTM A820 Type IV, and ASTM A580 standards.

The fibres can be used in refractory operating conditions of:

- » Moderate thermal cycling, or
- » Continuous fibre soaking temperature up to 950°C in refractory
- » Moderate mechanical shock
- » High temperature corrosive atmospheres (sulphidation, chlorination etc)

Our hooked-end fibres are used in areas where refractory strength is less important, whilst still maintaining toughness in the refractory.



Where inferior products fail, Fibrex DS is the leading solution for long-life crack propagation fibre.



Fibrex DS[®]

MELT EXTRACT

Introducing the Next Generation of Performance for Critical Infrastructure

WHY CHOOSE FIBREX DS?

Next-Generation Innovation. Leverage the power of our patented iMelt[®] process. The result of years of rigorous R&D, Fibrex DS is a world-leading stainless steel duplex fibre designed for the most demanding modern construction.

Unmatched Structural Toughness. Engineered for the world's most unforgiving environments, Fibrex DS provides the heavy-duty reinforcement that your critical projects demands. From marine infrastructure to tunnel linings and storage tank foundations.

Maximum Durability in Aggressive Climates. Fibrex DS acts as the structural backbone for assets where failure is simply not an option.

Enhanced Impact & Crack Resistance. Superior engineering reduces micro-cracking and significantly increases impact resistance, ensuring your structure remains resilient under extreme stress.

Extended Asset Life, Lower Costs. Protect your investment by significantly extending the lifecycle of your infrastructure. Fibrex DS offers a lower total lifecycle cost by reducing maintenance and increasing long-term durability.

Performance-Driven Pedigree. Join the next generation of construction. Fibrex DS is the latest in Fibretech's lineup of world-class, performance-driven solutions.

Fibrex DS vs Standard Steel Fibres

Feature	Fibrex DS Steel Fibres	Standard Steel Fibres
Corrosion Resistance	★★★★★	★☆☆☆☆
Structural Strength	★★★★★	★★★★☆
Marine Durability	★★★★★	★★☆☆☆
Chemical Resistance	★★★★★	★☆☆☆☆
Maintenance Cost	Very low	Moderate-High
Applications	Ports, Tanks, Tunnels, Coastal, High-risk zones	General industrial slabs

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.

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