

Foundry & Metals

Foundry processing and metals manufacturing present some of the world's most challenging operational environments. Our Thermal Ceramics business provides advanced thermal management and fire protection solutions for critical furnaces and molten metal transfer applications.

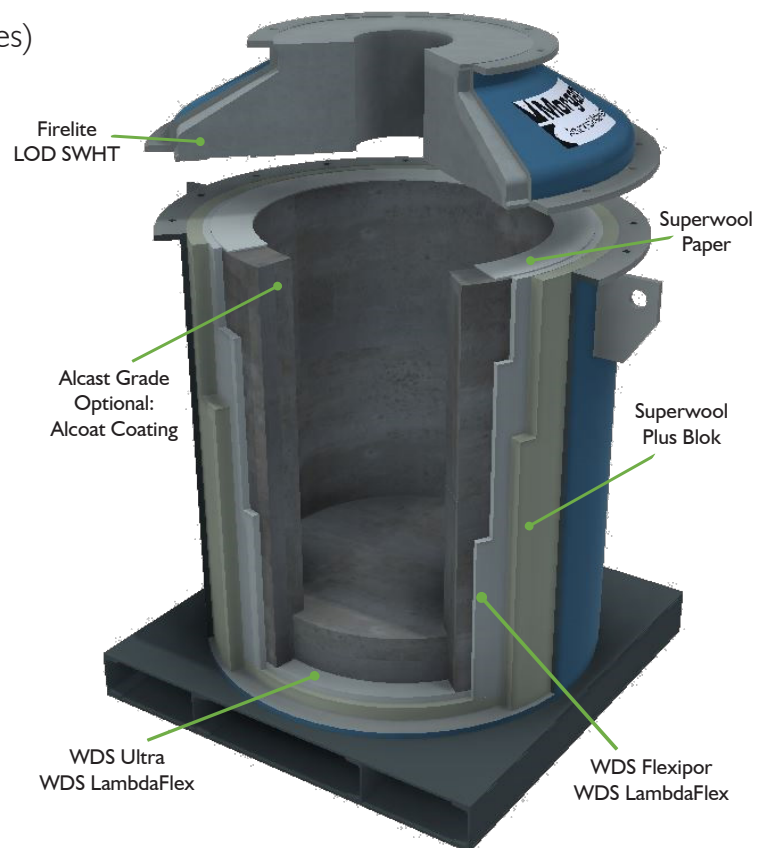
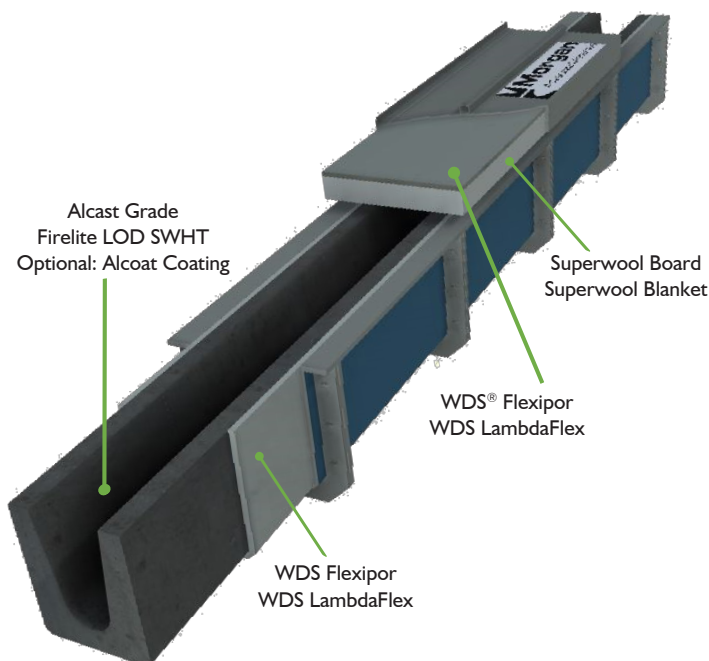


With our extensive range of high-temperature insulating fibre, refractory and microporous products, we help our customers **maximise energy efficiency** and enhance equipment life cycle performance, while **minimising risks to human health** and **CO₂ emissions**.

Application Solutions

Through our engineering expertise and services, we ensure our customers benefit from a fully-integrated approach through consultation, design development, project execution, supervision of the installation and energy efficiency assessment. We are supporting their move forward to achieve committed environmental milestones, like their **electrification journey** and partnering with them on their path to a profitable and sustainable future.

- Reheating and Heat Treating Furnaces (Walking Beam, Hearths, Forging, Hardening, Tempering, Annealing)
- Galvanizing (Horizontal, Vertical)
- Molten Metal Transport Vessels (Tundishes, Ladles)
- Melting and Holding Furnaces
- Casting Process
- Carbon Bake Furnace



Your partner in sustainable heat management

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SuperwoolXTRA
In a class of its own

Why choose our products?

- Our newest innovation, Superwool® XTRA low biopersistent fibre with a classification temperature of 1450°C and high pollution resistance, has proven results in reheat furnaces and ladle covers, providing an alternative to traditional RCF solutions.
- Excellent superior thermal shock and aluminium wetting resistance, low thermal conductivity and handleability make our Superwool fibres particularly favoured by the aluminium industry. Superwool LBP fibres can be found in our Boards and Shapes that are flexible and rigid to support applications such as sleeves, cones, ladles, and launders.
- Our Pyro-Bloc® Modules provide the furnace design with a superior lining solution on the hot face in blast furnaces, hearth furnaces, and heat treatment furnaces. K™, JM®, TJM® IFB offer superior performance solutions to lining designs.
- Our complete line of Coatings and Mastics, like our Superwool Sealcoat™ offers additional lining protection to the furnace and door and in maintenance conditions where online and offline hot-spot solutions are required.
- Refractory Monolithics like Morflo®, Hicast™, Alcast™, Higun™, Plascast™ and Plasgun™ have proven performance for areas within the manufacturing environment of aluminium, I&S heat treatment and reheating processes thanks to features like non-wetting to molten aluminium to superb resistant to mechanical impact and thermal shock.
- WDS® Ultra and LambdaFlex® Super Microporous products are ideal for insulation of the aluminium melting furnace and when the need to increase volume in transfer or pouring ladles is required. Our newest innovation Superwool I 650SI Board, combined with WDS LambdaFlex Super, provides outstanding back-up insulation to molten metal transfer vessels.



*Energy conservation through
WDS Microporous in Steel Ladles*

Microporous
products WITH **WDS**
TECHNOLOGY



Scan the QR Code to access the case study

For all enquiries, please contact our specialist sales and marketing offices:		
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