

This is to certify that the Quality Management System of

## Morgan Thermal Ceramics

A Subsidiary of Morgan Advanced Materials Plc  
York House, Sheet Street, Windsor, Berkshire, SL4 1DD, United Kingdom

Meets the requirements of

## ISO 9001:2015

Scope of Registration

**Design, Development, Project Management Manufacture and Supply of High Temperature Insulating Fibres and Blankets, Industrial Refractory Products, Lining Systems, Building Products, Insulating Microporous Products, Heat Shields, Insulating Firebricks, Dense Bricks, Monolithics, Cements and Mortars.**

**Additional Locations are listed on the subsequent pages.**

Signed for and on behalf of Lucideon CICS Limited



*Authorised Signatory*



Certificate No: 23452  
Issue No: 7: 08 January 2021

Date of Issue: 09 September 2018  
Date of Expiry: 08 September 2021

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate no.0006

This Certificate of Registration is granted subject to conformance with the conditions of contract governing the registration.

Further clarifications regarding this certificate may be obtained by consulting the organisation.

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Additional locations which meet the requirements of ISO 9001:2015

Site Name	Site Scope
Carbo San Luis S.A. San Luis, Argentina	Design, Development, Manufacture and Supply of Insulating, Unshaped-Basic and Non Basic-Preshaped and Pressed Refractory Products, and Ceramic Fibers.
Dalian Morgan Refractories Ltd Dalian City, China	Design, Development, Production and Servicing of the Al <sub>2</sub> O <sub>3</sub> - SiO <sub>2</sub> Based Monolithic Refractories.
Grupo Industrial Morgan SA de CV Pachuca Hidalgo, Mexico	Manufacture and Supply of Spun and Blown Ceramic Fibre in Blanket and Bulk forms, Folded Modules, Wet Felt, Vacuum-formed Board, Tennaglo Plates, Dense and Insulating Monolithics at the Pachuca Plant, supported by the Sales Office at Mexico City.
Morgan Advanced Materials Carbo Chile S.A Santiago, Chile	The marketing, sale and manufacture of Vulcanized Modules, Silicone Modules and Epoxy modules; Refractory Linings and Refractory Castings; Resale of Insulating & Refractory Materials.
Morgan Kailong (Jingmen) Thermal Ceramics Co., Ltd Jingmen City, China	The Manufacture of Ceramic Bulk Fibre and Blankets, Pyro Bloc and converted products.
Morgan Thermal Ceramics (Shanghai) Co., Ltd Shanghai, China	Design and Manufacture of Refractory Ceramic Fiber Products.  Design of Furnace Linings and Processing of Thermal Insulation Materials.  Sales of Refractories.
Morgan Thermal Ceramics Deutschland GmbH Reinbek, Germany	Sales and Customer Service Activities, Project Management, including Technical Support and Supply of Refractory / Insulation Materials.



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Site Name	Site Scope
Murugappa Morgan Thermal Ceramics Ltd Gujarat, India	Manufacture of High Temperature Insulating wools, Refractory Ceramic Fibre Products - Bulk, Blankets and Vacuum Formed Papers, Textiles, Modules, Pyro logs and Superwool range of products.
Murugappa Morgan Thermal Ceramics Ltd Tamil Nadu, India	Design, Development, Manufacture of High Temperature Insulating wools, Refractory Ceramic Fibre products - Bulk, Blankets, Vacuum Formed Products in different shapes, Boards and Papers, Textiles, Modules, Mastics, Engineered Fibre and Superwool range of products.
Shin-Nippon Thermal Ceramics Corporation Osaka, Japan	Development, Manufacture and Supply of Ceramic Fibre and Superwool products made at Sakai, Japan.  Procurement and Supply of Thermal Ceramic Products, Purchased and Resold Products.
Thermal Ceramics - Casal, Italy Casalpusterlengo, Italy	Manufacture and Supply of Insulating Firebrick in Standard Sizes, Special Shapes, and also Refractory Mortars, Dense and Insulating Concrete at the Facilities in Casalpusterlengo and the Zambelli Division Sales Office and Warehouse in Casalgrande.
Thermal Ceramics Canada Burlington, Canada	Manufacture and Supply of High Temperature Insulation, including, Organic and Inorganic Vacuum Formed Fiber Shapes, Refractory Fiber Modules and Water Jet Cut Shapes.  Distribution of Refractory Products sourced from other Thermal Ceramic sites and other Suppliers.



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Site Name	Site Scope
Thermal Ceramics de France - Lillebonne Division Lillebonne, France	Manufacture and Supply of Vacuum Formed Ceramic Fibre Shapes for the Aluminium, Steel, and Non-Ferrous Foundry; including Industrial and Laboratory Ovens.
Thermal Ceramics France - Saint Marcellin Plant	Manufacture and Supply of High Temperature Insulation Wools, Fibres and Blankets, including Industrial Refractory Products.  Procurement and Supply of Lining Systems, Building Products, Refractory Brick, Mortars, Cements and Castables.
Thermal Ceramics Inc. Augusta, United States of America	Manufacture Processing and Supply of: Ceramic Fiber (Blown and Spun), Blanket, Bulk (Engineered and Standard), Modules, Encapsulated Fiber Products, Ceramic Paper (Sheets, Rolls and Cut Shapes), Vacuum Formed Boards and Shapes, Fiber Based Near Net Shapes, Mastics and Cements, Wet Felts, Insulating Firebrick, Refractory Monolithics and Mortars, Pre-Cast shapes and Ceramic Oxide Cast Shapes.
Thermal Ceramics Inc. Girard, United States of America	Manufacture and Supply of Insulation Products, based on Vermiculite and Diatomaceous Earth Formulations.
Thermal Ceramics Inc. Elkhart, United States of America	The Manufacture of Industrial Thermal Insulating Systems.
Thermal Ceramics Inc. Emporia, United States of America	Manufacture and Supply of Refractory Ceramic Fiber, Ceramic Fiber Module Systems and Electric Element Systems.
Thermal Ceramics Korea (Daegu) Daegu-shi, Korea	Manufacturing and Service of Ceramic Fiber and Insulating Products.



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Thermal Ceramics Polska Sp. z o.o Gliwice, Poland	Sale and Supply of Refractory Insulation Materials, Technical Advice and Installation Assistance for Industrial Applications.
Thermal Ceramics UK Ltd Bromborough, United Kingdom	Research and Development of Insulating Products.
Yixing Morgan Thermal Ceramics Yixing City, China	Manufacture and Supply of Insulating Fire Brick, Mortar and Castable.
Porextherm Dämmstoffe GmbH Kempton Germany	Research and Development, Manufacture and Sales of Technical High Efficient Insulation Materials for Product Families Vacupor® and WDS®.
Morgan Thermal Ceramics - Ecrans thermiques Department Thouarcé, France	Design, Manufacture and Supply of High Temperature Thermal Protection (from 300°C to 1500°C) by Encapsulating Insulating Materials.
Morgan Advanced Materials Industries Limited Abu Dhabi	Manufacture and Supply of Ceramic Fibre Products through spun process.
Ciria India Limited Noida, India	The Design, Engineering, Supply and Project Management of High Temperature Insulation Products and Refractory Materials in Chemical Process Industries including Petroleum, Petrochemical and Fertilizers.



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