

This is to certify that the Quality Management System of

Morgan Thermal Ceramics

A Subsidiary of Morgan Advanced Materials Plc
55 - 57 High Street, Windsor, Berkshire, SL4 1LP, United Kingdom

Meets the requirements of

ISO 9001:2008

Scope of Registration

Design, Development, Manufacturing and Sales of High Temperature Insulating Wools, Fibres and Blankets, Industrial Refractory Products, Lining Systems, Building Products, 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



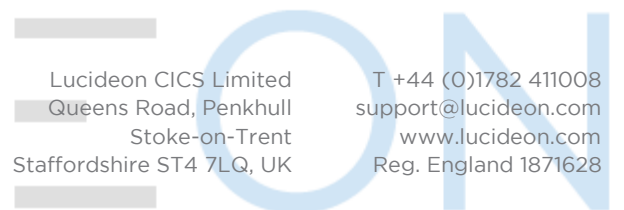
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The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate no.0006



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 9001:2008

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 ₂ O ₃ - SiO ₂ 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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Additional locations which meet the requirements of ISO 9001:2008

Site Name

Site Scope

Morganite Brazil LTDA
Rio de Janeiro-RJ, Brazil

Design, Development, Manufacture and Supply of Kaowool Ceramic Fibre Products and Die Cut Shapes, Vacuum Formed Shapes, Soluble Fibre Products, Pyro-Bloc Ceramic Fibre Products, Ceramic Fibre Pumpables and Putties, Refractory Castables, Pre-cast Refractory Shapes and Cements at the Rio de Janeiro Plant.

Murugappa Morgan Thermal Ceramics Ltd
Gujurat, India

Design, Manufacture and Supply of Ceramic Fibre Products through Blown Pyro and Spun Processes, Continuous Ceramic Fibre Paper and Cements.

Murugappa Morgan Thermal Ceramics Ltd
Tamil Nadu, India

Design, Manufacture and Supply of Ceramic Fibre Products through Spun Process (including Engineered Fibres) and Vacuum Forming Process.

Refractarios Nacionales S.A.
Palin/Escuintia, Guatemala

Manufacture and Commercialization of Dense Refractory and Insulating Products for Central American and Caribbean Market.

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.



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Site Name	Site Scope
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.
Thermal Ceramics de Colombia SA Guadalajara de Buga, Colombia	Manufacture and Supply of Castable Refractories, both Dense and Insulating, and the Re-Sale of Insulating Firebricks (IFB), Castable Refractories, Dense Refractory Bricks, Refractory Fibres, Paper and Board, and Associated Products.
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 de Venezuela CA Valencia, Venezuela	The Manufacture of Thermal Insulation.
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.



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Additional locations which meet the requirements of ISO 9001:2008

Site Name

Site Scope

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.

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.



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