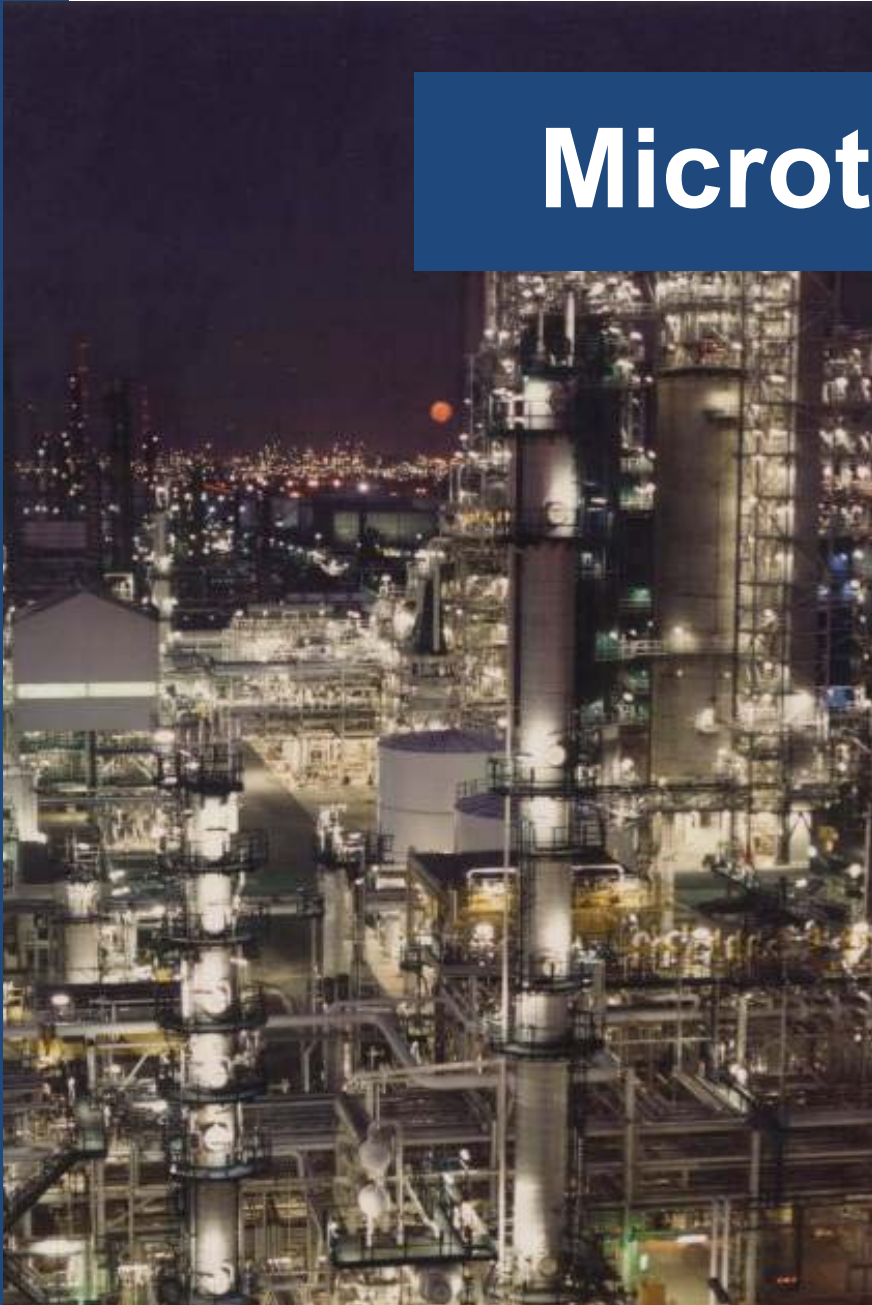


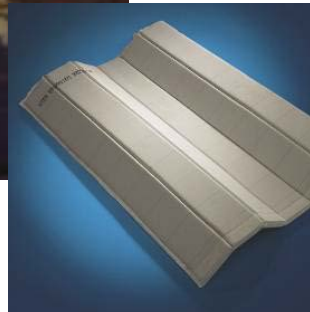


Microtherm[®]



The Company
The Products
The Benefits

The Microtherm Group of companies has been the global market leader in high temperature thermal insulation solutions for almost 40 years.





Microtherm® The company, the products, the benefits



The **Microtherm Group** of companies has been the global market leader in high temperature thermal insulation solutions for almost 40 years.

Microtherm® is a microporous insulation with a thermal conductivity so low that it is almost down to the lowest theoretically possible figure according to the laws of physics - an insulation with a thermal conductivity even lower than that of quiescent air!

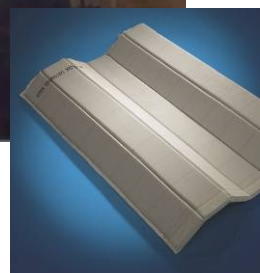
This very low thermal conductivity is also remarkably stable over a wide range of temperature right up to a maximum of 1000 °C (1832 °F) thanks to the inclusion of an opacifier to block the transmission of all infra red

Properties

- Formulation based on pyrogenic silica with a mineral oxide opacifier and E-glass filament reinforcement.
- Capable of continuous exposure to 1000 °C (1832 °F).
- Hydrophobic. versions of some products available.
- No known health hazards when used within prescribed working temperature limits.
- Non-combustible.
- Environmentally safe.

Benefits

- Only around one quarter the thickness of conventional insulations at high temperature.
- Lightweight but load bearing.
- Thinnest protection minimises wind load problems.
- Can be supplied pre-formed or can be easily shaped on site.
- Widest product range includes rigid panels and block, flexible panels, pourable granular products, moulded products, and mouldable paste.



Microtherm®

Products



Markets

Petrochemical and pipeline applications

Furnaces

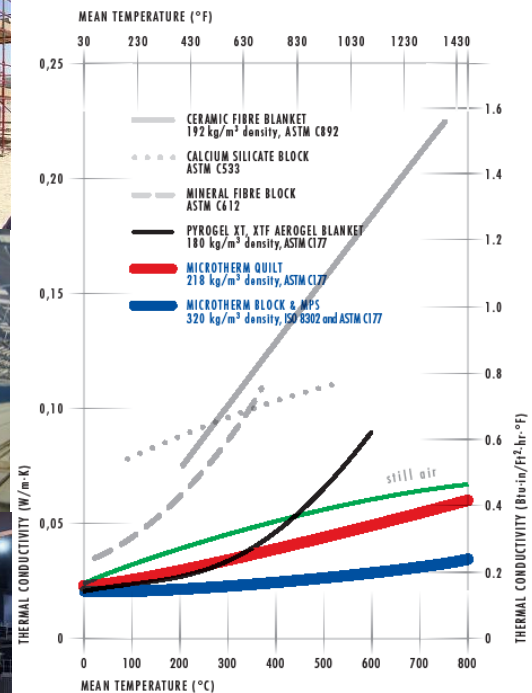
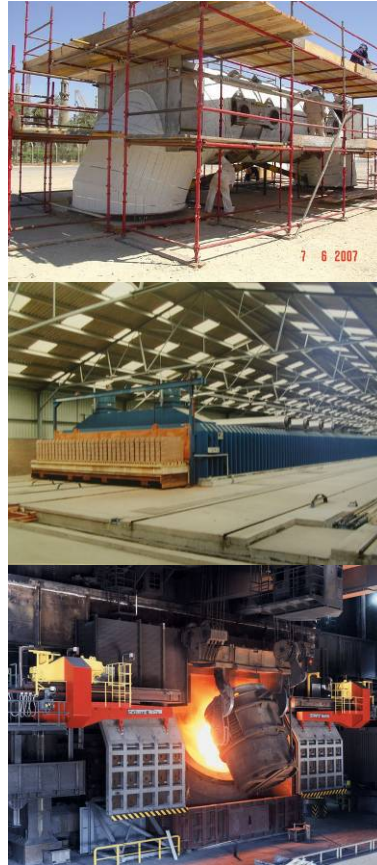
Steel, non-ferrous, and glass

Power plants and fuel cells

Buildings and domestic appliances

Transportation

Aerospace



Typical values

Performance values quoted in our data sheets are for general guidance. For more precise information and assistance with design please contact our applications specialists

The information contained in this datasheet/brochure is intended to assist in designing with Microtherm products. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on this datasheet will be achieved by a user for a particular purpose. The user is responsible for determining the suitability of Microtherm products for each application

www.microthermgroup.com

Issue ref:080609/01

Microtherm NV • België, Industriepark Noord 1, BE-9100 Sint-Niklaas, T +32 (0)3 780 19 80, F +32 (0)3 760 19 99, info@microthermgroup.com,
 Microtherm Inc • U.S.A., 3269 Regal Drive, Alcoa, TN 37701, T +1 865 681 0155, F +1 865 681 0016, sales@microtherm.us
 Nippon Microtherm Co. Ltd. • Japan, Korakuen Shinjuku Bldg, 4-15-7, Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-0023, T +81 3 3377 2821, F +81 3 3378 2821,
sales@microtherm.co.jp

Microtherm is a registered trademark of Microtherm (GB) Ltd.