Microporous boards MB1000 up to 1200 °C

MB1000 is a microporous thermal insulation material with very low thermal conductivity figures, and has due to that a very high insulation capacity.

The insulation figures are 0,020 W/m*K@200 °C and 0,034 W/m*K@800 °C – which is 4-5 times better than fibre materials. This insulation material consists just of inorganic, oxide substances.

The material is open to diffusion against humidity (water vapor). The sheets are available with different coatings/laminations.

Applications can be found in all metal melting plants, power plants, refineries, fuel cells and various industrial furnaces.

BECKER INSULATION ...for industry!

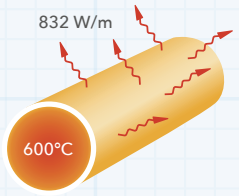
About us....
With the beginning of 2013 the Becker Insulation GmbH was founded.

With our small and efficient team we produce your insulation materials according to your specifications in the shortest possible time.

We offer:

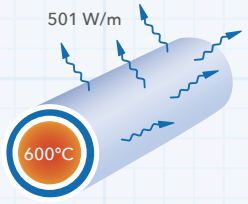
- Microporous insulation products up to 1200 °C application temperature
- Textile products (gaskets, cloth, and tapes u to 1300 °C application temperature
- Calcium magnesium silicate fiber products like paper, boards, blankets, modules and gaskets
- High temperature fiber products up to 1800 °C

Application examples:



Pipe insulation with 100 mm mineral wool

Pipe diameter: 400 mm
Temperature inside: 600 °C
Temperature outside: 76 °C
Heat loss m/pipe: approx. 832 W/m



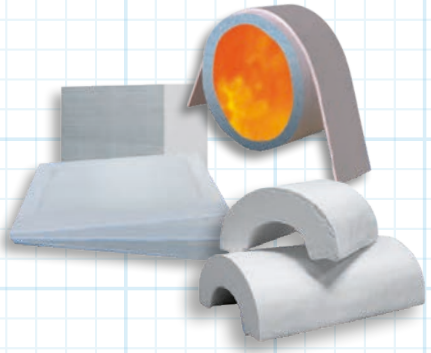
Pipe insulation with 85mm mineral wool and with 15mm MB1000 Pipe

Pipe diameter: 400 mm
Temperature inside: 600 °C
Temperature outside: 46 °C
Heat loss m/pipe: approx. 501 W/m

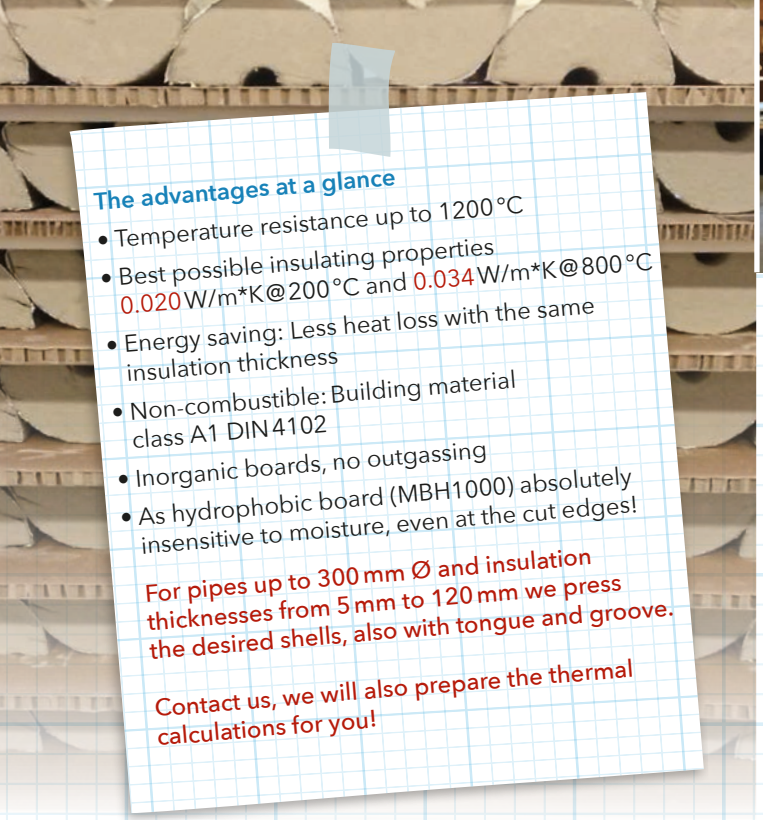
Becker Insulation GmbH
Lingener Straße 6
49626 Bippen, Gemany

Fon: +49 (0) 5435 332960
info@becker-insulation.de
www.becker-insulation.de

Industrial high temperature insulation



- energy saving
- non-combustible
- inorganic boards
- no outgassing
- extreme temperature resistance
- best possible insulating properties



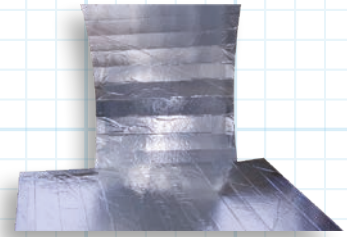
The advantages at a glance

- Temperature resistance up to 1200 °C
- Best possible insulating properties 0.020 W/m*K@200 °C and 0.034 W/m*K@800 °C
- Energy saving: Less heat loss with the same insulation thickness
- Non-combustible: Building material class A1 DIN 4102
- Inorganic boards, no outgassing
- As hydrophobic board (MBH1000) absolutely insensitive to moisture, even at the cut edges!

For pipes up to 300 mm Ø and insulation thicknesses from 5 mm to 120 mm we press the desired shells, also with tongue and groove.

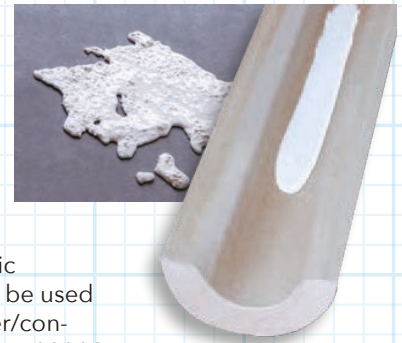
Contact us, we will also prepare the thermal calculations for you!

Microporous pipe insulation
MB1000 PIPE



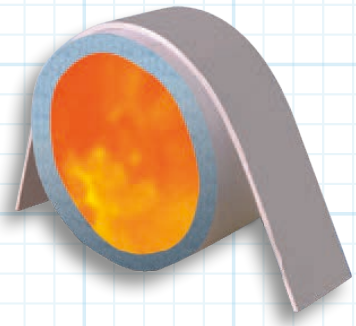
MB1000 Pipe is characterized not only by its excellent insulation values, but also by its ease of processing. The MB1000 Pipe panels can simply be placed around the pipe and fixed in place, with minimal effort.

MBH 1000



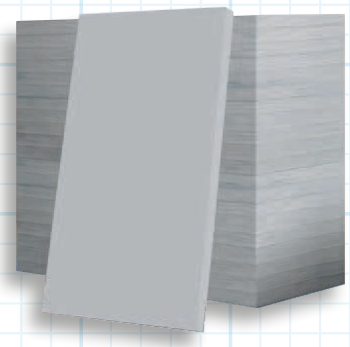
MBH1000 is a hydrophobic microporous board. It can be used in direct contact with water/condensate. It is resistant up to 1000 °C and also insulates very well with 0.034 W/m*K@800 °C.

flexible insulation board
MB1000-57



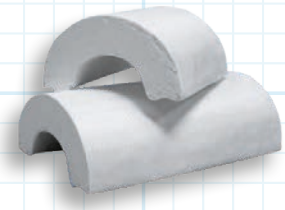
MB1000-57 is a very flexible microporous insulation board. It was specially for rond applications designed. Insulation with just 5 mm insulation thickness from 1000 °C down to approx. 300 °C.

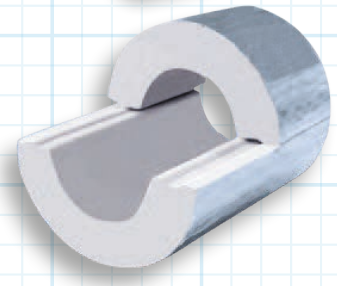
Stable insulation board
MB1000



MB1000S is as well available without any cover – insulation with just 50 mm insulation thickness from 1000 °C down to approx. 80 °C.

Microporous halfpipes
made of MB1000

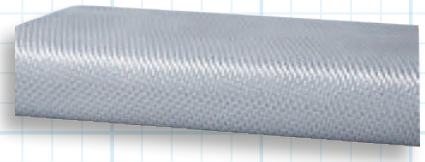




MB1000 half shells are with a glass fabric, glass fleece or aluminium foil and for the perfect sealing with a tongue and groove.

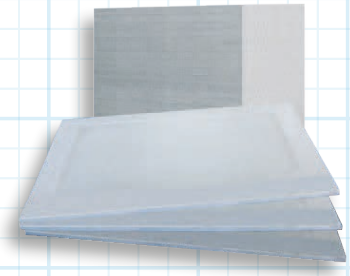
Diameter: from 10 to 100 mm possible
Length: up to 2000 mm
Insulation thickness: 20-50 mm* (*Single layer)

MB1000 CLOTH



MB1000 coth is a microprous board, presses in a special glass cloth. due to the fabric, the boards are very easy to install.

MB1000S



The sheets are also available in laminated form, such as PE film, aluminium foil, glass fleece or glass fabric. Through the covered surface, the sheets can be processed particularly easy.