

Products Application Guide

Microporous insulation offers an extremely low thermal conductivity, close to the lowest theoretically possible at high temperatures. Microporous materials are the preferred choice when a large temperature reduction is required within a limited space, or when strict heat loss or surface temperature requirements are specified.

MIP Standard: Rigid Panels

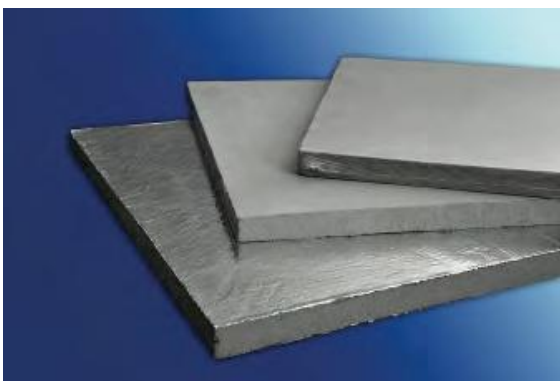
MIP-Nude/ MIP-Alumi/ MIP-Fibrax

Typical applications

- Back-up insulation in industrial furnaces
- Fuel cells (SOFC)
- Thermal Batteries
- Aluminium industry (launders, holding & smelter furnace, ...)
- Glass & ceramics industry
- Petrochemical industry (cracking furnace, hydrogen reformer, ...)
- Data loggers (protection of electronic components)
- Black box & VDR (Voyage Data Recorder) for air, rail, and marine

Working & Processing

MIP Standard boards can be shaped both manually and with stationary wood processing machinery. They can be cut, sawn, drilled and punched. The boards can be fixed in place with glue or by mechanical means such as anchors, pins and clips.



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MIP Flexi: Flexible Panels

MIP PA/PE

- Ladles
- Torpedo cars
- Tundish
- EAF (Electric Arc Furnace)
- Degassers

Properties & advantages

- Extremely low thermal conductivity
- High thermal stability
- High compressive strength
- No harmful respirable fibres
- Environmentally friendly, free of organic binders
- Resistant to most chemicals
- Non combustible
- Easy to handle



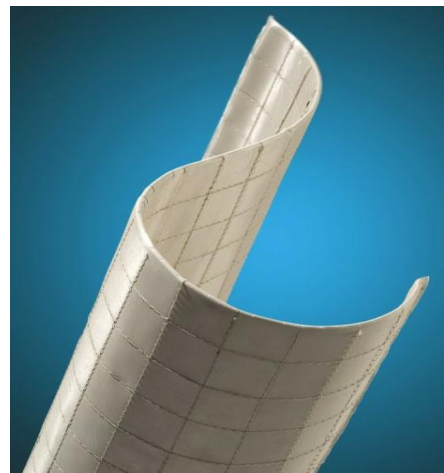
Working & Processing

MIP-PA/PE panels can be shaped easily with a simple cutter and taped off with aluminium tape. The panels can be fixed in place with the same adhesives that are used for the refractory lining.

MIP-Stitch / MIP-Vaku

Properties & advantages

- Extremely low thermal conductivity High thermal stability
- Shock and vibration resistant
- Resistant to most chemicals
- Non combustible
- Clean & easy to install



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- Simple to cut & shape
- No harmful respirable fibres
- Environmentally friendly, free of organic binders

Typical applications

- Petrochemical industry & power generation
- Piping insulation
- Back-up insulation in refractory lined pipes
- Rotary kiln insulation
- Hot pipe support insulation
- Exhaust systems
- Filler material for mattresses, cassettes, heat shields,
- PFP (Passive Fire Protection)



Working & Processing

MIP-Stitch can be shaped easily with a simple cutter (.The panels can be fixed in place with glue or by mechanical means such as anchors, pins and clips. For piping applications, the panels are installed with wire and straps, identical to conventional insulation materials .

