



REFIAL® -MPI Slatflex

Flexible Microporous Insulation

REFIAL® -MPI Slatflex is a large sized slatted microporous insulation panel.

REFIAL® -MPI Slatflex is produced in a glass cloth outer envelope, making the panel clean and easy for handling. The formulation is opacified blend of filament reinforced fumed silica.

REFIAL® -MPI Slatflex is customized flexible panel which is suitable for pipes.

REFIAL® -MPI Slatflex HY with hydrophobic treatment can be optional for where contact with liquid water or condensation. Either treated covering or Core board or both is available.

Features and Benefits

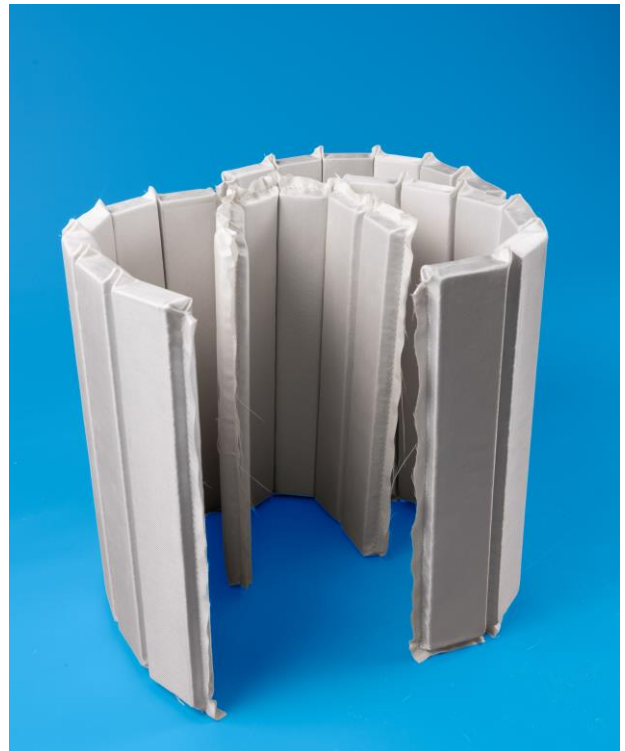
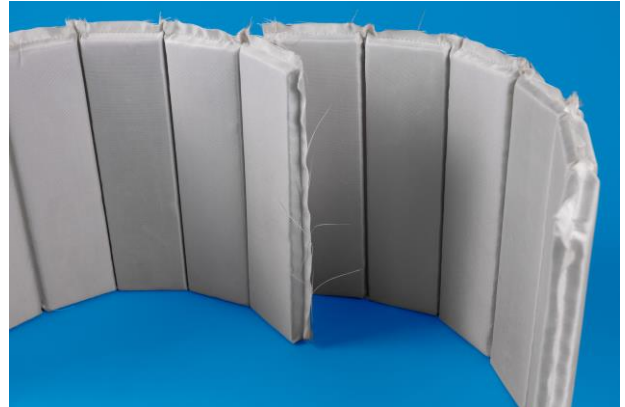
- Extremely low thermal conductivity
- High thermal stability
- Shock and vibration resistant
- No harmful respirable fibres
- Simple to cut and shape
- Environmentally friendly
- Resistant to most chemicals
- Non combustible
- Clean and easy to handle

Cutting and Fixing

REFIAL® -MPI Slatflex can be shaped easily with a simple cutter. They can be fixed in place with glue or anchors, pins, or clips. The panels can be installed with wire and straps, identical to conventional insulation materials.

Typical Applications

- Petrochemicals & Power generation
- Back-up insulation in refractory lined pipes
- Piping line solutions
- Concentrated Solar Power
- Vessels and reactors Exhaust



Technical Data

Classification temperature (1)		1000°C
Long-time exposure		950°C
Nominal Density		280 kg/m ³
Compressive Strength at 10% deformation		0,20 MPa
Thermal Conductivity	200°C	0,022 W/m K
	400°C	0,023 W/m K
	600°C	0,027 W/m K
	800°C	0,034 W/m K
Specific Heat Capacity	200°C	0,93 KJ/kg K
	400°C	1,03 KJ/kg K
	600°C	1,06 KJ/kg K
	800°C	1,10 KJ/kg K
Linear Shrinkage	12h full soak at 1000°C	≤0,5 %
	24h full soak at 1000°C	≤5 %



(1) Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact REFALTEC office. info@refialbv.com

REFIAL® - MPI Slatflex with hydrophobic treatment is available on request. The outer E-glass cloth can only resist a temperature of maximum 600°C. Higher grade of textile cloth is available on request

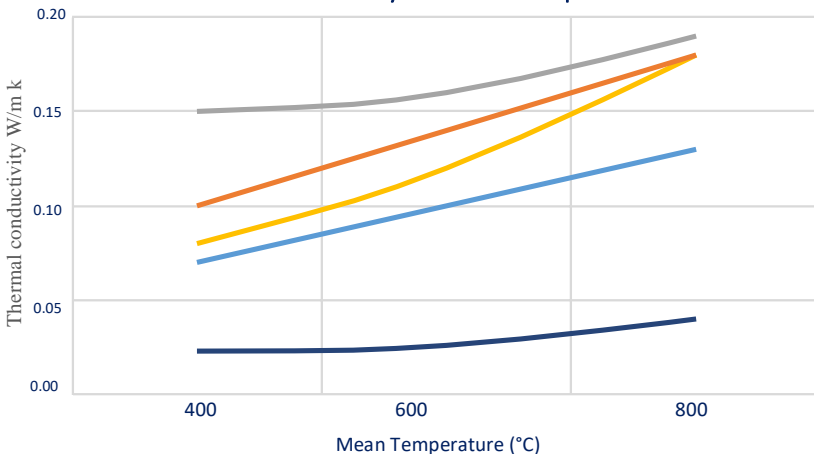
Dimension & Size Availability*

Product Type	Length & Width (mm)	Thickness (mm)
REFIAL®-MPI Slatflex	1000*600(±3)	10-50(±1)

* Other sizes available upon request



Thermal Conductivity at Mean Temperature



REFIAL®-MPI products offer a realistic alternative to other lightweight insulations

REFIAL®-MPI products offer a realistic alternative compared to other lightweight insulation solutions, such as low density calcium silicate, vermiculite, fibre or wool based blankets and boards. The thermal resistance provided by REFIAL®-MPI products is a cost competitive alternative to the other lightweight insulation solutions on the market, whilst also delivering benefits in terms of space optimization and reduced weight.



Vermiculite 350 kg/m ³	AES Fibre Blanket 128 kg/m ³
Calcium silicate boards 260 kg	AES Fibre Board 320 kg/m ³
REFIAL-MPI 1000	

REFIAL® contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. Data is representative of production and are subject to normal production fluctuations, they should not be deemed to constitute or imply any warranty of performance, the user is held responsible for determining the suitability of the products for the given application. Errors and omissions excepted. In case of any doubt if these properties and/or values are matching the application requirements, please contact REFIAL® for advice.