

DESCRIPTION:

Metz Borosilicate Glass Block is a lightweight, acid resistant, thermally insulating product that can be used to line ducts and chimneys and can also be used as insulating layer in chemical vessels, sulphur pits etc. Metz Borosilicate Glass Block is typically used in conjunction with Metz 96 Membrane.

FEATURES AND BENEFITS:

- Chemical Resistant
Resistant to many alkalis, oils and acids, except those containing fluorine (such as HF)
- Thermally Insulating
Low thermal conductivity
- Excellent Temperature Resistance
Resistant to temperatures up to 180°C continuous
- Thermal Shock Resistant
Better shock resistance than standard soda-lime foam glass material.
- Impermeable
Closed cell structure which does not allow penetration of chemicals
- Lightweight
Can be fixed to vertical or even overhead surfaces

RECOMMENDED:

In conjunction with Metz 96 Membrane as a lining in power station chimneys, stacks, flues and ducts. Also as a chemical resistant, lightweight, insulating layer behind ceramic lining in:

- Chemical Industry
- Waste Water Treatment Plants
- Petrochemical Industry
- Flue Gas Environments

NOT RECOMMENDED:

- For use in tanks, pits etc without a ceramic overlay unless there will be absolutely no physical impact
- For exposure to hydrofluoric acid or fluoride salts

PHYSICAL PROPERTIES: (Typical Values)

Density:	0.18-0.20 g/cm ³
Compressive Strength: ASTM C165	1.1 N/mm ² minimum
Flexural Strength ASTM C203:	0.7 N/mm ² minimum
Maximum Continuous Service Temperature:	180°C.
Thermal Conductivity: ASTM C518 @ 24°C:	0.08 W/m K
Co-efficient of Thermal expansion: (30-330°C)	55 x 10 ⁻⁷ maximum
Moisture absorption: ASTM C240:	0.2% maximum (surface wetting only)

