METZ BOROSILICATE GLASS BLOCK



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/cm³

Compressive Strength: ASTM C165 1.1 N/mm² minimum

Flexural Strength ASTM C203: 0.7 N/mm² 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) 55×10^{-7} maximum

Moisture absorption: ASTM C240: 0.2% maximum (surface wetting only)



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NOTES



Always ensure you have the latest data sheet version, refer www.metz.net.au

- 1. The customer must comply strictly with the instructions contained in this product data sheet. Metz is not responsible for any advice or variations to this data sheet which are not confirmed in writing.
- If the customer has a claim against Metz in respect of any product supplied to the customer by Metz whether due to a fault in the product or the negligence or breach of contract by Metz or for any other reason:

 - a) Metz shall not be liable for any loss or damage including consequential loss or damage or loss of profits arising thereby;
 b) Metz may at its option replace the defective product free of charge to the customer or refund all payments made to it by the buyer in respect of the defective product; and the maximum liability of Metz shall be the cost of replacing the defective product.