METZ FIRECLAY ACID BRICK

DESCRIPTION:

Metz Fireclay Acid Brick complies with ASTM C-279 for Type III, for use where minimum absorption and maximum acid resistance are required.

FEATURES AND BENEFITS:

- Chemical Resistant
  Excellent resistance to attack from a wide range of chemicals including concentrated mineral acids (except hydrofluoric)
- Abrasion Resistant
  High wearing properties under severe conditions.
- Impact Resistant
  Resists mechanical damage due to high impact loadings.
- Thermal Shock Resistant
  Will withstand damage due to sudden change in temperature. For substantial thermal shock refer to Metz for Carbon Brick.
- High Temperature Resistant
  Suitable for service temperatures up to at least 600°C (depending on conditions and chemicals).
- Extruded
  Available in a wide range of standard shapes.

RECOMMENDED:

- Flooring and Bund Areas
- Towers and Columns
- Vessels and Tanks
- Sewerage Treatment Plants and Lines
- Chimney and Flue Gas Linings
- Hoppers and Chutes

NOT RECOMMENDED:

- Exposure to hydrofluoric acid or other fluoride solutions. Refer to Metz for Carbon Brick.
- Exposure to hot caustic solutions. Refer to Metz for Carbon brick.
- Substantial thermal shock. Refer to Metz for Carbon Brick.

PHYSICAL PROPERTIES: Conforms to ASTM C279 for Type III

Water Absorption ASTM C20	0.5%
Bulk Density	2.26 g/cc
Modulus of Rupture	28 MPa
Compressive Strength	138 MPa
Young's Modulus	5.9×10^4 MPa
Acid Solubility	6%
Thermal Conductivity	1.3 w/m°K

Typical Chemical Data

SiO_2	62%
Al_2O_3	31.5%
TiO_2	1.3%
Fe_2O_3	1.7%
Other	3.5%

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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.
2. 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.

REV 11/17

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