METZ ACID BRICK TYPE XL

DESCRIPTION:

Metz Acid Brick Type XL is a high quality acid resistant brick with low water absorption characteristics. Available as standard in ASTM C279 Type II and Type III for critical applications.

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.
- Good Heat Resistance
- Quality Accreditation
  The management system governing the development and manufacture of this product is proudly ISO9001:2015 certified.

RECOMMENDED:

- Molten Sulphur Pits
- Towers and Columns
- Vessels and Tanks
- Flooring and Bund Areas
- 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

		Type II	Type III
Water Absorption ASTM C20		<4%	<1%
Bulk Density ASTM C20		2.18 g/cc	2.18 g/cc
Cold Crushing Strength DIN51067		>90 MPa	>90 MPa
Thermal Shock Resistance		>17 cycles (450°C)	>17 cycles (450°C)
Acid Solubility	ASTM C279	<12%	<8%
	EN 993-15	<2%	<2%
Thermal Conductivity w/m°K at 400°C		1.15	1.15

Chemical Composition (Average)

SiO_2	70%	70%
Al_2O_3	22%	22%
$K_2O + Na_2O$	3.5%	3.5%
Fe_2O_3	1.5%	1.5%
TiO_2	0.7%	0.7%

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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.

METZ SPECIALTY MATERIALS PTY LTD
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