

# METZ ACID BRICK TYPE XL



## DESCRIPTION:

Metz Acid Brick Type XL complies with ASTM C-279 for Type II, for use where lower absorption and higher 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 Heat Resistance**

## 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 II*

Water Absorption ASTM C20	<2%
Bulk Density	2.18 g/cc
Cold Crushing Strength	>70 MPa
Thermal Shock Resistance	>17 cycles (450°C)
Acid Solubility ASTM C279	<3%
Thermal Conductivity w/m <sup>2</sup> K at 400°C	1.15

Calcined Basis

Chemical Analysis (Average)

SiO <sub>2</sub>	70%
Al <sub>2</sub> O <sub>3</sub>	23%
TiO <sub>2</sub>	0.7%
Fe <sub>2</sub> O <sub>3</sub>	1.6%
K <sub>2</sub> O + Na <sub>2</sub> O	3.5%



Acid Proofing & Industrial Flooring • Specialty Ceramic Tiles





**NOTES**


Always ensure you have the latest data sheet version, refer [www.metz.net.au](http://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 of 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 04/13

**METZ SPECIALTY  
MATERIALS PTY LTD**

A.C.N. 140 636 639

15A Stanton Road, Seven Hills, NSW 2147  
Facsimile: (02) 9671 4292 Phone: (02) 9671 1311

6 University Place, Clayton North, VIC 3168  
Facsimile: (03) 9561 6944 Phone: (03) 9561 6144

Unit 16, 42 Smith Street, Capalaba QLD 4157  
Facsimile: (07) 3823 5552 Phone: (07) 3823 5555

**Distributor**