

# 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



