

# 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*

	<i>Type II</i>	<i>Type III</i>
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 <sup>2</sup> K at 400°C	1.15	1.15

### Chemical Composition (Average)

SiO <sub>2</sub>	70%	70%
Al <sub>2</sub> O <sub>3</sub>	22%	22%
K <sub>2</sub> O + Na <sub>2</sub> O	3.5%	3.5%
Fe <sub>2</sub> O <sub>3</sub>	1.5%	1.5%
TiO <sub>2</sub>	0.7%	0.7%



