

## Acid Tile TS 40

### ACID and FIRE RESISTANT BRICK

#### DESCRIPTION

Acid Tile TS 40 is ceramic tile resistant to acid and fire in aggressive environments. Regarding to the requirements, the thickness of the ceramic tile may change. It is suitable for secondary containment areas, pits, floors and sumps in heavy industry.

Description	Value
Dimensions	250x250x20 mm
Max Operation Temperature	1200°C (ASTM C155)
Reversible Thermal Expansion	0,5 % (at 1000°C)
Bulk Density	2,0-2,1 kg/dm <sup>3</sup> (DIN 51010/51065)
Cold Crushing Strength	50 N/mm <sup>2</sup> (DIN 51010/51067/EN1094)
Water Absorption	%8
Acid Solubility	2-7 %
Apperent Porosity	16 % (DIN 51056)
Thermal Shock Resistance (Water)	15 times (DIN 51068)
Refractoriness Under Load	1250°C (DIN 51064)
Thermal Conductivity at 300°C	1,00 W/mK
Thermal Conductivity at 700°C	1,09 W/mK
Thermal Conductivity at 1000°C	1,18 W/mK
Al <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	23 % min
SiO <sub>2</sub>	72 % max
Fe <sub>2</sub> O <sub>3</sub>	2,10 % max
CaO + MgO	1,60 % max

#### INFORMATION

+/- 2 mm for dimensions less than or equal to 100 mm; +/- 2 mm % for dimensions greater than 100 mm. The above values were obtained from standart production.

*All data mentioned on this technical data sheet are product descriptions. They are the result of general experience and experiments and don't take any specific application into account. No further demands may be derived from these data.*