



## THE QUALITY OF ACID RESISTANT BRICKS & MORTAR

Acid Resistant Bricks are mainly made of high-silica content substance with the lowest apparent porosity for acid resistance. This acid resistant brick is produced by this Company by use of the specially developed high-silica content substance and special binder.

Features:

1. Very low apparent porosity.
2. Very low water absorption rate.
3. High acid resistance.

### Typical Properties

Brand		ACID RESISTANT BRICKS	
		ARB-N1	ARB-N2
Properties			
Max. Service Temperature(°C)		1300	1300
Water absorption rate(%)		≤ 5.0	≤ 5.0
Bulk Density(g/cm <sup>3</sup> )		2.10	2.20
Cold Crushing Strength (kgf/cm <sup>2</sup> )		1100	1100
Corrosion Resistance (JISR 1614-1993)		≤ 0.5	≤ 0.5
Chemical Composition (%)	SiO <sub>2</sub>	70.0	70.5
	Al <sub>2</sub> O <sub>3</sub>	23.0	24.0
	Fe <sub>2</sub> O <sub>3</sub>	1.0	1.0

Brand		ACID RESISTANT MORTAR ASM-AR1	
Properties			
Refractoriness (SK)			> 10
Grain Size(%)	+0.5mm		< 5
	-0.074mm		> 50
Bonding Strength (kgf/cm <sup>2</sup> )	110°C -24hrs		30
	°C -3hrs		—
Chemical Composition (%)	SiO <sub>2</sub>		> 80
	Al <sub>2</sub> O <sub>3</sub>		< 10
	Fe <sub>2</sub> O <sub>3</sub>		< 5