## KUAN-HO REFRACTORIES INDUSTRY CORPORATION

HEAD OFFICE : NO.932, CHIEN FENG ROAD, TOUFEN MIAOLI TAIWAN R.O.C TEL: 886-37-542873-7 E-mail: krics@kric.com.tw

FAX: 886-37-541574 http://www.kric.com.tw



K09AG36

## THE QUALITY OF ACID RESISTANT BRICKS & MORTAR

Acid Resistant Bricks are mainly made of high-silica content substance with the lowest apparant 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:

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

## **Typical Properties**

Brand		ACID RESISTANT BRICKS	
Properties		ARB-N1	ARB-N2
Max. ServiceTemperature(°C)		1300	1300
Water absorption rate(%)		$\leq$ 5.0	$\leq$ 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 (JISR1614-1993)		$\leq 0.5$	$\leq 0.5$
Chemical	SiO <sub>2</sub>	70.0	70.5
Composition (%)	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 Properties		ACID RESISTANT MORTAR ASM-AR1
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
	$Al_2O_3$	<10
	Fe <sub>2</sub> O <sub>3</sub>	<5